

FILE NOTATIONS

Entered in NED File
 Location Map Filled
 Card Indexed
 ✓

Checked by Chief *AMB*

Approval Letter

Disapproval Letter

5-3-73

COMPLETION DATA:

Date Well Completed

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Log (etc.)

GR-N..... Micro.....

ENG Sonic GR..... Sonic.....

CBLog..... CCLog..... Others.....

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☐Multiple Zone ☒

2. Name of Operator

Chevron Oil Company - Western Division

3. Address of Operator

P. O. Box 599 Denver, Colorado 80201

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

2215 ft FSL & 1826 ft. FWL, Sec. 32 (NE $\frac{1}{4}$ SW $\frac{1}{4}$)

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

 $\pm 3\frac{1}{2}$ miles SE to Roosevelt, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1826 ft.

16. No. of acres in lease

640 ac. spacing

17. No. of acres assigned to this well

640 ac. spacing

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

None

19. Proposed depth

13,200 ft.

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

Ungraded Ground 5321 ft.

22. Approx. date work will start*

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	2,500 ft.	Cmt to surface
8-3/4"	7"	26#	10,500 ft.	600 sx
6-1/8"	5" liner	18#	10,300 ft.	To top of liner

We plan to drill this development well to an estimated TD of 13,200 ft to test the Wasatch Formation.

Attached: Well Plat
Drilling Program
Chevron Class A-1 BOP requirements

cc: State (3)
USGS (2)
FHU (1)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

J. W. Greer

Title

J. W. Greer
Division Drlg. Supt.

Date

4-30-73

(This space for Federal or State office use)

Permit No.

13-013-30224

Approval Date

Approved by

Title

Date

Conditions of approval, if any:

PROJECT

TIS, RIW, U.S.M.

CHEVRON OIL CO.

WELL LOCATION, HARMSTON 1-32A1, IN THE NE 1/4
SW 1/4 SECTION 32, TIS, RIW, U.S.M., DUCHESNE
COUNTY, UTAH

ELEV. REF. POINT 200' WEST = 5329.88'
" " " 250' " = 5331.04'
" " " 300' NORTH = 5320.37'
" " " 350' " = 5321.40'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

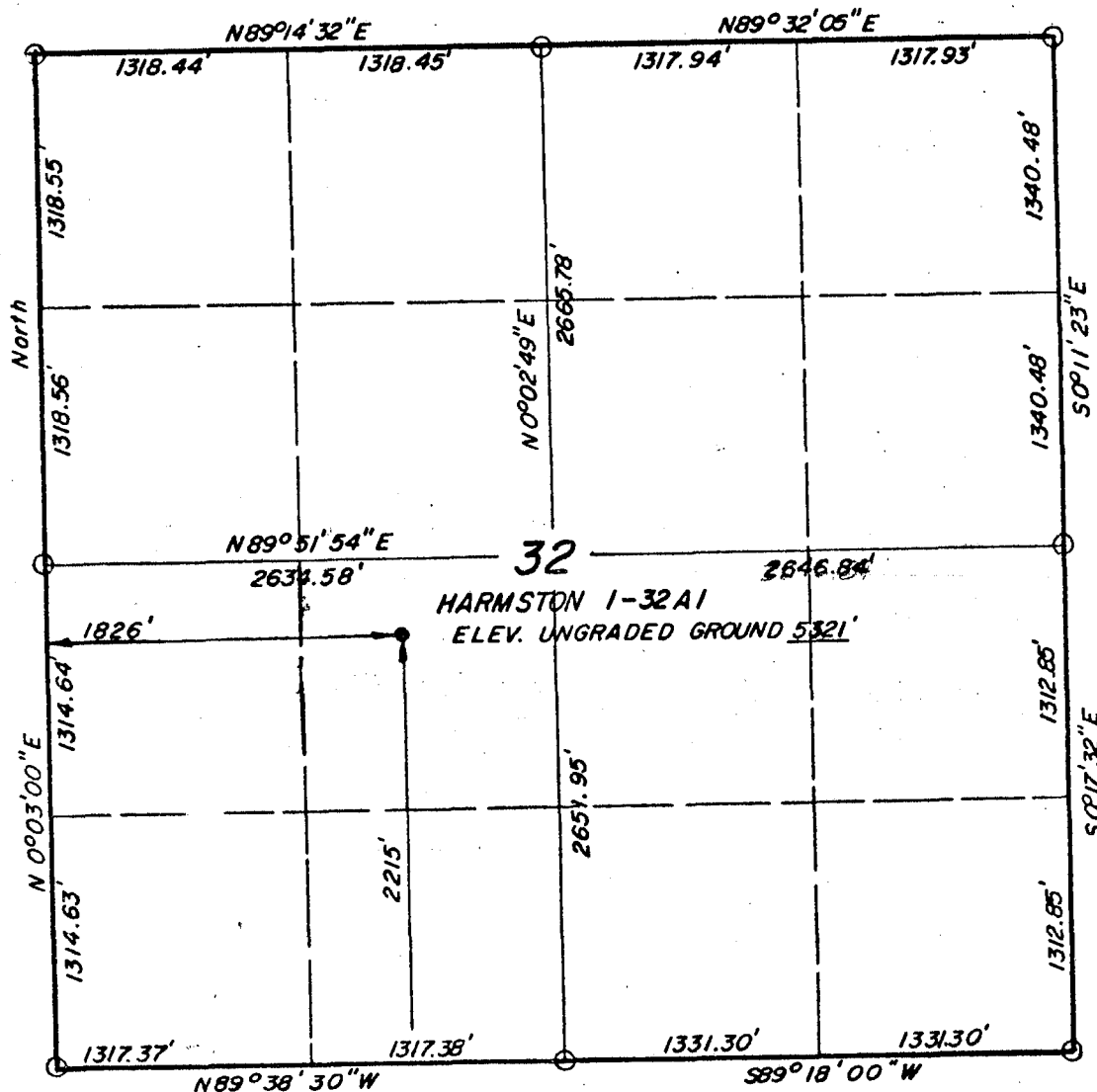
Nelson J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised 15 Jan. 73

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 11 Jan. 73
PARTY NM BR RR MS CF	REFERENCES G L O
WEATHER VERY COLD	FILE



○ = Corners located or re-established
Survey performed Jan. 5, 10, 1973

Chevron Oil Company
Western Division

Denver, Colorado
April 16, 1973

DRILLING PROGRAM
HARMSTON #1-32A1
BLUEBELL FIELD
DUCHESNE COUNTY, UTAH

MR. R. L. SCOTT:

The following is the drilling program for Harmston 1-32A1, Duchesne County, Utah:

1. Drill 12-1/4" hole to 2500'±. If hole circulates around conductor, ream 12-1/4" hole to 17-1/2" and run 13-3/8" casing to ±300'. Run 9-5/8" OD, 36#, K-55 casing to TD and cement to surface with 50/50 Pozmix containing 2% Gel and 2% CaCl tailed in with 200 sacks Type G cement containing 3% CaCl.
 - a. Casing to be fitted with guide shoe, float collar and ±6 centralizers.
 - b. After ±6 hours WOC, cut off casing and install 10" Series 900 Bradenhead.
 - c. Install 10" Series 900 BOPE per Chevron's specifications for Class "A-1" BOP Hookup, including Swaco adjustable choke, degasser, PVT & flow sensor equipment. Install all downstream piping, separator and tank.
 - d. Test BOPE, kelly, kelly cock, kelly hose, standpipe and all valves to 3000 psi with clear water. Test casing to 1500 psi with water before drilling out.
2. Drill 8-3/4" hole below surface casing to depth of 10,500'± using a drilling mud as outlined below.
 - a. One man mud logging unit is required from 5000' to 9000' and two-man from 9000' to TD.
3. Run 7" OD, 26#, S-95 intermediate casing to TD. Cement with 50/50 Pozmix containing 2% Gel, 10% salt and fluid loss control and turbulent inducer additives tailed in with 200 sacks Type G cement containing 18% salt and retarder.
 - a. Casing to be equipped with washdown-whirler differential fillup shoe and differential fillup collar. Install centralizers and baskets as warranted throughout cement column.
 - b. Displace cement in turbulent flow while reciprocating pipe until plug is bumped. All fluid behind casing to be treated with Hydrazine.

- c. Drop slips immediately, cut off casing and install Series 1500 dual tubing head.
 - d. Install Series 1500 BOPE per Chevron's specifications for Class "A-1" BOP Hookup.
 - e. Test BOPE, kelly and kelly cock to 5000 psi with clear water. Test casing to 5000 psi with water before drilling out. Test kelly hose; standpipe and all standpipe valves to 3000 psi.
 - f. Drill 5-10 feet below the shoe of the 7" OD casing, and pressure test to the equivalent of the hydrostatic head exerted by a column of 15.5 ppg mud. Squeeze with cement if the cement job or formation will not withstand this pressure.
4. Drill 6-1/8" hole below intermediate casing to estimated total depth of 13,200' using a drilling mud as outlined below.
- a. Three DST's are anticipated.
 - b. Two man logging unit is required from 7" casing depth to TD.
5. Maintain drilling fluids as follows:

	<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
1)	0' - ± 7,000'	Water	To suit contractor		
2)	± 7,000' - ± 9,000'	Gel-Water	8.6 - 9.0#	30-40 sec.	As required
3)	± 9,000' - ± 10,500'	Gel-Chem	9.0 - 12.0#	40-45 sec.	for hole
4)	± 10,500' - TD	Gel-Chem	12.0 - 16.0#	45-55 sec.	stability

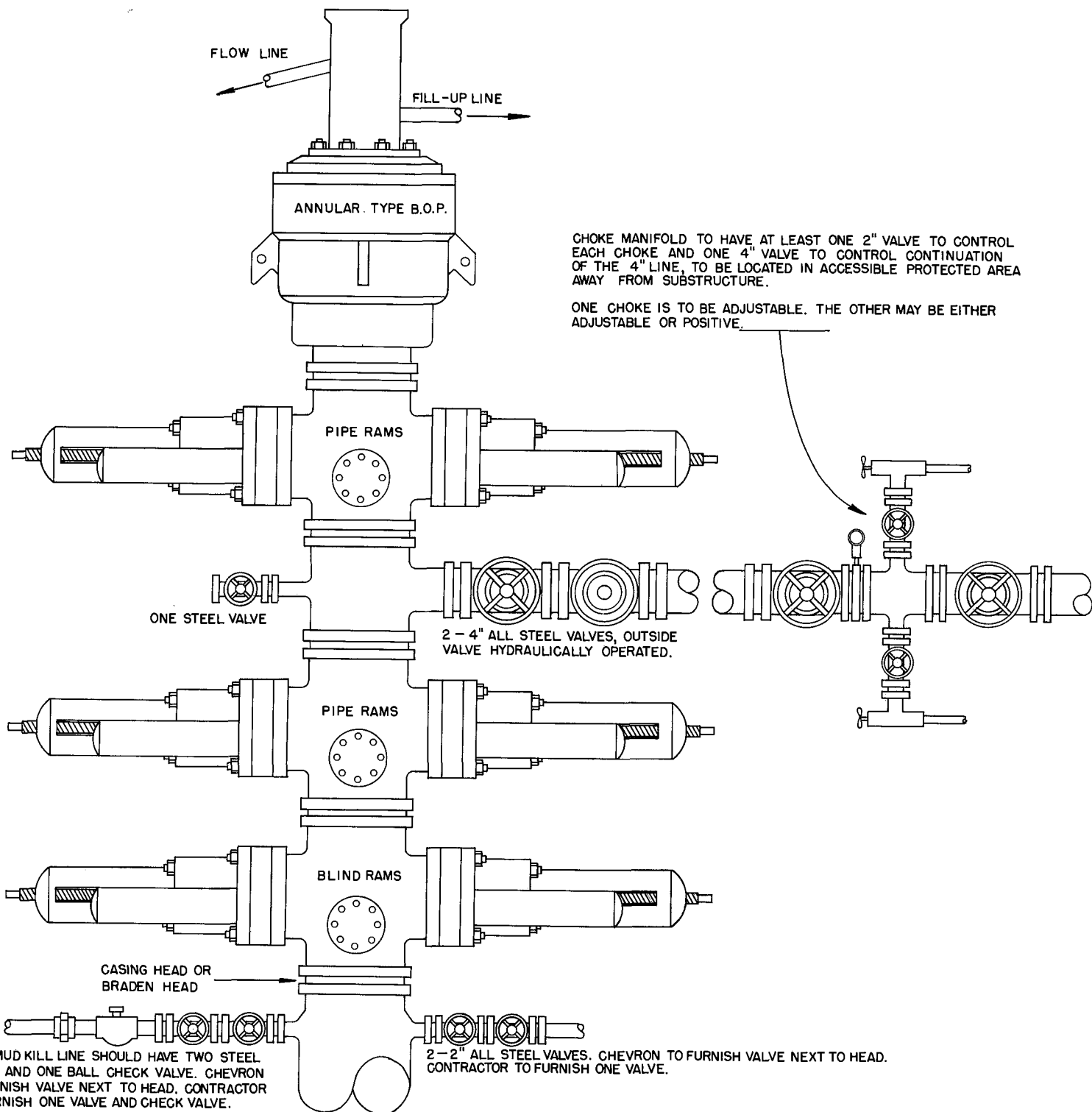
- 1) Drill Duchesne and Uinta Formations with water. If necessary to clean hole, use gel to build viscosity.
- 2) Use Gel-Water to drill top Green River Formation. Maintain low weight. Maintain good flow properties and hydraulics to reduce hole enlargement. Control solids with desander. Have degasser installed and operating.
- 3) Unless hole conditions warrant otherwise, mud-up operations will commence at ±9,000'. Convert system to Gel-Chem. Maintain weight with @500 psi hydrostatic over balance. Continue to maintain good flow properties and hydraulics to reduce hole enlargement. Control solids with desander. If loss circulation should develop, carry LCM (5:1 sawdust and fiber) as needed. Take precautions on trips to prevent formation breakdown. If loss circulation becomes severe, use temperature log to define and consider use of coarse walnut hulls and Mica or squeezes.
- 4) Continue to maintain weight with ±500 psi hydrostatic over balance over anticipated formation pressure. Maintain good flow properties. Control any gas cut mud with degasser and low gel strengths. Maintain accurate checks of pit volumes and return mud weights during all operations. Keep hole full on trips.

Page Three
Drilling Program
Harmston #1-32A1
Bluebell Field

6. Sampling, logging, testing, coring, etc., to be in general conformance with Geologic Program.
7. If productive, run and cement 5", 18#, S-95 FJ liner from TD to 10,300'.
 - a. Liner to be equipped according to instructions to be issued later.
8. Completion to be based on hole evaluation.

JWG
J. W. GREER

CFP
4/11/73



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY ANY COMBINATION OF HYDRAULICALLY OPERATED B.O.P.'s WHICH GIVE THE FOLLOWING COMBINATION:
 - (1) BLIND RAMS ON BOTTOM.
 - (2) PIPE RAMS ABOVE THE BLIND RAMS.
 - (3) CHOKE OUTLET AT LEAST FOUR INCHES DIAMETER.
 - (4) PIPE RAMS ABOVE CHOKE OUTLET.
 - (5) ANNULAR B.O.P. ON TOP.
- B. ALL CONNECTIONS TO BE FLANGED, STUDDED, OR CLAMPED.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. ACCUMULATOR TO PROVIDE CLOSING PRESSURE AT LEAST 15% IN EXCESS OF THAT REQUIRED, WITH SUFFICIENT VOLUME TO OPERATE B.O.P.'s.
- E. ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'s.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. FULL OPENING INSIDE BLOWOUT PREVENTER AND A FLOAT VALVE TO BE AVAILABLE ON RIG FLOOR.
- I. DUAL OPERATING CONTROLS, ONE LOCATED BY DRILLERS POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.
- J. A REGULATING VALVE FOR THE ANNULAR B.O.P. IS REQUIRED.

**CHEVRON OIL COMPANY-WESTERN DIVISION
ROCKY MOUNTAIN PRODUCTION DIVISION
FOUR CLOSURE HYDRAULIC BLOWOUT PREVENTERS
CLASS A-1**

CHEVRON OIL COMPANY — WESTERN DIVISION
ROCKY MOUNTAIN PRODUCTION DIVISION
GENERAL INSTRUCTIONS AND REQUIREMENTS FOR BLOWOUT
PREVENTION EQUIPMENT

MAY 3 1973

- I. ACCEPTABLE ACCUMULATOR UNITS
 - A. FOR 8" AND LARGER BOP UNITS.
 - 1. HYDRIL 80 GALLON
 - 2. PAYNE 80 GALLON (4—20 GALLON UNITS MANIFOLDED TOGETHER)
 - 3. KOOMEY 88 GALLON (4—22 GALLON UNITS MANIFOLDED TOGETHER)
 - B. FOR 6" BOP UNITS
 - 1. HYDRIL 40 GALLON
 - 2. PAYNE 40 GALLON (2—20 GALLON UNITS MANIFOLDED TOGETHER)
 - 3. KOOMEY 44 GALLON (2—22 GALLON UNITS MANIFOLDED TOGETHER)
 - C. A VALVE SHALL BE PROVIDED FOR INTRODUCTION OF EMERGENCY ENERGY (SUCH AS BAKER HAND PUMP) FROM AN EXTERIOR SOURCE OTHER THAN THE ACCUMULATOR. A VALVE SHALL BE INSTALLED TO PREVENT FLOW FROM AN EXTERIOR SOURCE TO THE ACCUMULATOR UNIT.
- II. CONTROL UNITS
 - A. ALL VALVES TO BE CLEARLY LABELED TO INSURE PROPER OPERATION AND TO ELIMINATE THE POSSIBILITY OF CONFUSION.
 - B. HANDWHEELS FOR PIPE AND BLANK RAMS SHALL BE CLEARLY LABELED AND IN PLACE AT ALL TIMES WITH CLEAR ACCESS. A BARRICADE SHALL BE INSTALLED FOR THE PROTECTION OF THE OPERATOR AT THESE MANUAL CONTROLS.
- III. PREVENTER UNITS
 - A. PRESSURE RATING OF BOP EQUIPMENT WILL BE AS STATED IN THE CONTRACT OR ON THIS DRAWING.
 - B. DRILLING NIPPLE AND BOP'S TO HAVE SUFFICIENT ID TO PASS HANGER FOR NEXT STRING OF CASING TO BE SET.
 - C. NEW API BX RING GASKETS TO BE USED EACH TIME A FLANGE IS ASSEMBLED.
 - D. FLANGE BOLTS ON BOP'S WILL BE TIGHTENED AFTER PRESSURE TESTS AND ONCE A WEEK ON A ROUTINE BASIS. CASINGHEAD BOLTS TO BE TIGHTENED DAILY.
 - E. PREVENTERS ARE TO BE WELL BRACED.
 - F. PRIOR TO RUNNING CASING, PIPE RAMS WILL BE CHANGED TO ACCOMMODATE SIZE OF CASING TO BE RUN.
 - G. CASINGHEAD SHALL BE INSTALLED SO KILL LINE VALVES WILL BE UNDER BOP'S FOR PROTECTION. KILL LINE VALVES TO BE KEPT CLOSED AFTER PRESSURE TESTS.
 - H. ALL REPLACEMENT PARTS TO BE OF SAME MANUFACTURE AS BOP'S.
- IV. TESTING
 - A. BLOWOUT PREVENTERS, ALL VALVES IN THE SYSTEM, KELLY COCK, SAFETY VALVE, STAND PIPE VALVES, ROTARY HOSE, ETC. ARE ALL TO BE TESTED TO THE WORKING PRESSURE OF THE BOP'S OR AS STATED IN THE CONTRACT.
 - B. BOP SYSTEM IS TO BE TESTED UPON INSTALLATION AND EACH WEEK THEREAFTER, USING A TEST PLUG OR AT THE FREQUENCY STATED IN THE CONTRACT.
 - C. ALL TESTING IS TO BE DONE WITH CLEAR OR DYED WATER.
 - D. TESTING PROCEDURE IS TO BE CARRIED OUT SO EACH VALVE IS TESTED INDIVIDUALLY.
- V. MISCELLANEOUS
 - A. DRILL PIPE RUBBER, IN GOOD CONDITION, TO BE USED ON KELLY SAVER SUB AT ALL TIMES.
 - B. A FULL OPENING VALVE IN THE STAND PIPE WITH A 2" VALVE DOWNSTREAM FOR CONNECTING A PUMP TRUCK ARE REQUIRED. THESE VALVES ARE TO HAVE THE SAME PRESSURE RATING AS THE BOP'S.
 - C. CHECK WITH COMPANY REPRESENTATIVE FOR DIRECTION TO INSTALL OUTLET VALVES ON WELLHEAD.
 - D. MODIFICATIONS OF HOOK-UP MUST BE APPROVED IN WRITING ON TOUR REPORTS BY COMPANY REPRESENTATIVE.
 - E. INSIDE BLOWOUT PREVENTER AND FLOAT VALVE TO HAVE CONNECTIONS FOR DRILL STRING AND TO BE ABLE TO PASS THROUGH BOP STACK INTO OPEN HOLE.

May 3, 1973

Chevron Oil Company
Box 599
Denver, Colorado

Re: Harmston #1-32A1
Sec. 32, T. 1 S, R. 1 W, USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 131-14.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30224.

Respectfully yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron Oil Company, Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215 ft. FSL & 1826 ft. FWL Sec. 32 (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
		9. WELL NO. 1-32A1	
		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA S 32, T1S, R1W, USM	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343	12. COUNTY OR PARISH Duchesne	13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Progress Report ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached June, 1973 activity report.

3 - State
2 - USGS
1 - JHD

18. I hereby certify that the foregoing is true and correct.

SIGNED

R. L. SCOTT

TITLE

Sr. Drlg. Super.

DATE 7-3-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE

DAILY DRILLING REPORT

6-1-73 MIRT. Location: 2215' FSL & 1826' FWL of Sec. 32, T1S, R1W, USM, Duchesne County, Utah. Objective: 13,200' Wasatch Development Well.

6-4-73 1080' drlg. Spudded @ 10:00 PM 6-2-73. GLE 5323. KBE 5343.

6-5-73 1924' Drlg.

6-6-73 2505' WOC. Drld to 2505 & cond. hole. Ran 86 jts 9-5/8" surface casing & c
cmt'd @ 2500 w/2103 sxs. Good circ & cht returns to surface. WOC 7:00 AM,
6-6-73

6-7-73 2505' N/U BOPE. WOC 6 hrs, cutoff & installed csg head. Started N/U BOPE.

6-8-73 3000' drlg. N/U & tested BOPE to 3000 psi. Drld out after 37 hrs WOC.

6-11-73 4554' drlg.

6-12-73 4907' drlg

6-13-73 5211' drlg.

6-14-73 5410' drlg.

6-15-73 5662' drlg.

6-18-73 6270' drlg.

6-19-73 6550' drlg.

6-20-73 6790' drlg.

6-21-73 6876' drlg.

6-22-73 7080' drlg.

6-25-73 7756' drlg.

6-26-73 7915' drlg.

6-27-73 8056' drlg.

6-28-73 8296' drlg.

6-29-73 8536' drlg.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR CHEVRON OIL COMPANY - WESTERN DIVISION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215 ft. FSL & 1826 ft. FWL SLc. 32 (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston
14. PERMIT NO.		9. WELL NO. 1-32A1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 32, T1S, R1W, USM
		12. COUNTY OR PARISH
		18. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Progress Report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached July, 1973 Activity Report.

3 - State
2 - USGS
3 - JHD

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. SCOTT TITLE Sr. Drlg. Super. DATE 8-2-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE ✓

DAILY DRILLING REPORT

7-2-73 Drlg. 9186'.
7-3-73 Drlg. 9402'.
7-5-73 9740' Drlg.
7-6-73 Trip for bit @ 9851'.
7-9-73 10,228' cond mud & raising MW from 10.6 to 11.7#.
7-10-73 Drlg @ 10,346'. MW 12 #
7-11-73 10,492' conditioning mud. Lost 60 bbls.
7-12-73 10,500' fishing. Cond hole for logs. Pipe stuck @ 4700' while POOH. Spotted diesel oil. Worked pipe - no movement. Prep determine free point.
7-13-73 10,500' fishing for stuck drill pipe.
7-16-73 10,500' fishing.
7-17-73 10,500' fishing.
7-18-73 10,500' fishing.
7-19-73 10,500' fishing.
7-20-73 10,500' fishing.
7-23-73 10,500' Top of fish 3183'. Bottom of fish 3889'. Milled beside fish to 3719'. Tripping for new mill.
7-24-73 10,500' milling by fish @ 3770'.
7-25-73 10,500' milling by fish @ 3863'.
7-26-73 10,500' milling by fish.
7-27-73 10,500' Milling beside fish.
7-30-73 10,500' sidetracked fish. Now CO@ 6500'.
7-31-73 10,500' laying down DP. Cond hole to TD. POOHw/no drag. Laying down DP to run csg.
8-1-73 10,500' deep. Cmtg 7" csg, on btm w/700 sx.
8-2-73 10,500' deep. Installing BOP.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

FULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Progress Report

☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

See attached August, 1973 activity report.

3 - State

2 - USGS

1 - JHD

18. I hereby certify that the foregoing is true and correct

SIGNED

W G Baker

TITLE

W. G. BAKER

Administrative Ass't.

DATE

9-5-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Gulf
Flying Diamond
GPE

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE

DAILY DRILLING REPORT

8-30-73 13,000' deep. Prep POOH to log.

8-31-73 TD 13,000'. Logging. Ran Sonic-GR w/caliper. Ran FDC-CNL and stuck @ 12,410'
Working stuck tool

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W

OPERATOR: NOBLE

DAILY DRILLING REPORT

8-3-73	10,508. Dropped 2 jts drill pipe. Now fishing.
8-6-73	10,511 tripping. Rec. fish. Cmt'd fish in place in 9-5/8"x7" annulus thru perfs. @ 3950 & CIR @ 3885 w/1175 sxs in 2 stages to 3250 psi FSP. Drld out CIR & shoe w/bit. Drld up junk 10,508-511 w/mill. POOH w/mill.
8-7-73	10,511 tripping. Ran MT bit - lost cone drlg. & hanging up on junk. Made 2 trips w/magnet & junk subs - rec considerable junk. GIH w/mill.
8-8-73	10,511 tripping. Milled on junk torquing & hanging up - unable to clean up. Made 2 trips w/magnet & rec 2-8-3/4" bit cones. Rerunning magnet.
8-9-73	10,512 tripping. Ran magnet & rec 1-8-3/4" bit cone. Reran magnet with no rec. Ran mill, milled up junk and drl'd. one foot. Now running MT bit.
8-10-73	Drlg. 10,538'.
8-13-73	Drlg. 10,816'
8-14-73	10,939' deep. Trip.
8-15-73	11,016' drlg.
8-16-73	11,162' drlg.
8-17-73	11,272' drlg.
8-20-73	11,688' drlg. MW 16
8-21-73	11,725' drlg.
8-22-73	11,856' drlg.
8-23-73	12,029' drlg.
8-24-73	12,170' drlg.
8-27-73	12,605' drlg.
8-28-73	12,750' drlg.
8-29-73	12,877' drlg.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' EWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
14. PERMIT NO.		9. WELL NO. 1-32A1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343'		10. FIELD AND POOL, OR WILDCAT Bluebell - Wasatch	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 32, T1S, R1W, USM	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Duchesne	
18. STATE Utah		13. STATE Utah	

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well
(Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached September 1973 activity report.

- 3 - State
- 2 - USGS
- 1 - JHD

18. I hereby certify that the foregoing is true and correct

SIGNED

W. G. Baker

TITLE

W. G. Baker

Administrative Assistant

DATE

10-1-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Gulf
Flying Diamond
GPE

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE

DAILY DRILLING REPORT

9-26-73 TD 13,000' PBTD 12,985'. Installing surface facilities. Will drop from report until further activity.

10-1-73 TD 13,000' PBTD 12,985'. Installed surface facilities. Perfd 31 zones 12,661-11,499'. SITP 4000 psi. Perfng remaining 11 zones.

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE

DAILY DRILLING REPORT

8-30-73 13,000' deep. Prep POOH to log.

8-31-73 TD 13,000'. Logging. Ran Sonic-GR w/caliper. Ran FDC-CNL and stuck @ 12,410'
Working stuck tool

9-4-73 TD 13,000'. Recovered logging sonde. Now picking up lnr.

9-5-73 TD 13,000'. Cmted 5" lnr @ 13,000', w/410 sx cmt. Rev out excess. T lnr
10,315'. POOH. Ran bit & scraper in 7" csg. Cond mud.

9-6-73 TD 13,000'. Now drlg float collar in lnr.

9-7-73 TD 13,000'. PBTD 12,985'. Now logging.

9-10-73 TD 13,000'. PBTD 12,985'. Ran logs in lnr & 7" csg. Layed down 3-1/2" DP.
PU 2-7/8" tbg. Cond mud. Displ mud w/wtr. Sptd 45 bbl acetic acid in lnr.
POOH. Started rng BH assembly & stuck in wear bushings. POOH. WO repairs
to BH assembly.

9-11-73 TD 13,000. PBTD 12,985'. Ran BH assembly and set Retrieva-D pkr @ 10,287'
with PRB seals 1' off btm of PBR. POOH. Now hydrotesting tbg into hole
w/stinger.

9-12-73 TD 13,000'. PBTD 12,985'. Lndd 2-7/8" tbg in pkr @ 10,287'. Lndd 1.9" heat
string. Removed BOP. NU top flnag. Rel rig 2:00 AM 9-12-73.

9-13-73 RDR

9-14-73 MOR

9-17-73 TD 13,000'. PBTD 12,985' Installing surface facilities.

9-18-73 TD 13,000'. PBTD 12,985' Installing surface facilities.

9-19-73 TD 13,000'. PBTD 12,985' Installing surface facilities.

9-20-73 TD 13,000' PBTD 12,985' Installing surface facilities.

9-21-73 TD 13,000' PBTD 12,985' Installing surface facilities.

9-24-73 TD 13,000' PBTD 12,985' Installing surface facilities.

9-25-73 TD 13,000' PBTD 12,985' Installing surface facilities.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston
		9. WELL NO. 1-32A1
		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 32, T1S, R1W, USM
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343'	12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Progress Report

X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached October, 1973 activity report.

3 - State
2 - USGS
1 - JHD

18. I hereby certify that the foregoing is true and correct

W. G. BAKER

SIGNED

W. G. Baker

TITLE

Administrative Assistant

DATE

10-18-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Chevron Oil Company
Western Division

OPERATOR: CHEVRON OIL COMPANY

WELL NAME: HARMSTON NO. 1-32A1

FIELD: BLUEBELL

LOCATION: NE $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 32, T1S, R1W
Duchesne County, Utah

OPERATOR: NOBLE

DAILY DRILLING REPORT

9-26-73 TD 13,000' PBTD 12,985'. Installing surface facilities. Will drop from report until further activity.

10-1-73 TD 13,000' PBTD 12,985'. Installed surface facilities. Perfd 31 zones 12,661-11,499'. SITP 4000 psi. Perfng remaining 11 zones.

10-2-73 TD 13,000' PBTD 12,985'. Finished perfng 11 zones 11,488-11,225'. SITP 5500 psi. Turned to battery & tested. Flowed 495 BO, 0 BW, 26/64" ch, TP 725 psi - 14 hrs.

10-3-73 TD 13,000' PBTD 12,985'. Flowed 814 BOPD, 18 BWPD, 26/64" ch, TP 800 psi.

10-4-73 TD 13,000'. PBTD 12,985'. Flowed 432 BO, 27 BW, 26/64" ch, TP 600 psi - 12 hrs.

10-5-73 TD 13,000'. PBTD 12,985'. Flowed 1169 BOPD, 5 BWPD, 30/64" ch, TP 400.

10-8-73 TD 13,000'. PBTD 12,985'. Flowed: 10-5 907 BOPD, 0 BWPD, 36/64" ch, TP 400 psi.
10-6 847 BOPD, 0 BWPD, 36/64" ch, TP 400 psi.
10-7 793 BOPD, 0 BWPD, 36/64" ch, TP 410 psi.

10-9-73 TD 13,000' PBTD 12,985'. Acidized @ 14 BPM w/8100 psi - ISIP 4600 psi
15 min SIP 2600 psi. Flowed: 868 BO, 26 BW, 34/64" ch, TP 1000 psi - 15 hrs.

10-10-73 TD 13,000' 12,985' PBTD. Flowed 1756 BOPD, 30/64"chk, TP 900 psi.

10-11-73 TD 13,000' 12,985' PBTD. Flowed 1457 BOPD, 0 BWPD, 26/64" ch, TP 1150.

10-12-73 TD 13,000' 12,985' PBTD. Flowed 1477 BOPD, 0 BWPD, 30/64" ch, TP 800.
Final Report.

CCDBB

SUBMIT IN DUPLICATE*

STATE OF UTAH

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO.			
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR				7. UNIT AGREEMENT NAME			
Chevron Oil Company - Western Division				8. FARM OR LEASE NAME			
3. ADDRESS OF OPERATOR				9. WELL NO.			
P. O. Box 599 Denver, Colorado 80201				1-32A1			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*				10. FIELD AND POOL, OR WILDCAT			
At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)				Bluebell-Wasatch			
At top prod. interval reported below				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA			
At total depth Same				S 32, T1S, R1W, USM			
14. PERMIT NO. <u>43013-302241</u> DATE ISSUED _____				12. COUNTY OR PARISH			
				Duchesne			
				13. STATE			
				Utah			
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD			
6-2-73	8-29-73	10-8-73	KB 5343'				
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
13,000	12,985		→	Yes	No		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE		
12,661-11,221.5					No		
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED		
CBL - VDL, GR CNL					No		
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
9-5/8"	36#	2,500	13-3/4"	2103 SX			
7"	26#	10,508	8-3/4"	700 SX			
29. LINER RECORD			30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	10,315	13,000	360 SX		2-7/8	10,371.68	10,292
				heat string	1.9 OD	4,022.53	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
See attached record				3 STORE			
				2 USGS			
				1 JHD			
				1 ALF			
				1 PARTNERS			
				DEPTH INTERVAL (MD)			
				3,950'			
				AMOUNT AND KIND OF MATERIAL USED			
				1175 sx Class G cmt			
				11,225-12,661			
				6300 gals 12% HCl - 3% HF			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-30-73		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-8-73	24	34/64	→	868	502	26	578
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1000	-	→				42.5	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold						J. H. Daggett	
35. LIST OF ATTACHMENTS							
Perforating Record							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>J. W. Greer</u> TITLE Div. Dir. Supt. DATE 12-12-73							

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			None

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Main Pay	9,703	(-4360)
K	9,843	(-4500)
Lower Pay	10,048	(-4705)
CP 90	10,143	(-4800)
Top Red Beds	10,493	(-5150)
Base Reds	10,943	(-5600)
CP 200	11,893	(-6550)
CP 232	12,786	(-7443)
TD	13,200	(-7857)

DEC 17 1973

P-A-W

Harmston 1-32A1
Bluebell Field

PERFORATING RECORD

12,661, 12,657, 12,654, 12,619, 12,389, 12,385, 12,350, 12,335,
12,331, 12,295, 12,292, 12,159, 12,155, 12,149, 12,017, 12,013,
12,009, 12,000, 11,996, 11,992, 11,981, 11,977, 11,891, 11,887,
11,589, 11,581, 11,537, 11,533, 11,527, 11,511, 11,508, 11,499,
11,488, 11,481, 11,450, 11,440, 11,436.5, 11,433, 11,429.5, 11,424,
11,420.5, 11,421, 11,417.5, 11,415, 11,411.5, 11,411, 11,407.5,
11,225, 11,221.5

The above 49 zones were perforated with 2 shots/ft.

11,549, 11,573, 11,613, 11,625, 11,634, 11,644, 11,648, 11,662, 11,667,
11,677, 11,704, 11,708, 11,735, 11,747, 11,751, 11,759, 11,764, 11,770,
11,773, 11,777, 11,783, 11,792, 11,795, 11,810, 11,814, 11,828, 11,832,
11,836, 11,858, 11,861, 11,877, 11,930, 11,934, 11,938, 11,961, 11,970,
12,030, 12,043, 12,055, 12,112, 12,167, 12,219, 12,226, 12,282, 12,368,
12,402, 12,442, 12,445, 12,455, 12,462, 12,468, 12,515, 12,520, 12,523,
12,561, 12,564, 12,600, 12,607, 12,621, 12,716, 12,727, 12,772, 12,776,
12,781, 12,788, 12,791, 12,856, 12,859

The above 68 zones were perforated with one shot/ft.

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO.	
b. TYPE OF COMPLETION: AMENDED COMPLETION REPORT NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Chevron Oil Company - Western Division				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201				8. FARM OR LEASE NAME Harmston	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$) At top prod. interval reported below same At total depth same				9. WELL NO. 1-32A1	
14. PERMIT NO. <u>30534</u> DATE ISSUED				10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
15. DATE SPUDDED 6-2-73				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA S 32, T1S, R1W, USM	
16. DATE T.D. REACHED 8-29-73		17. DATE COMPL. (Ready to prod.) 10-8-73		12. COUNTY OR PARISH Duchesne	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 5343		19. ELEV. CASINGHEAD		13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 13,000		21. PLUG, BACK T.D., MD & TVD 12,985		22. IF MULTIPLE COMPL., HOW MANY* \rightarrow	
23. INTERVALS DRILLED BY \rightarrow		ROTARY TOOLS Yes		CABLE TOOLS No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 11,221.5 - 12,859' Wasatch				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL - VDL, GR CNL				27. WAS WELL CORDED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	2,500	13-3/4"	2103 sx	
7"	26#	10,508'	8-3/4"	700 sx	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
5"	10,315	13,000	360 sx		
30. TUBING RECORD				Heat string 1.90 OD 4,023	
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-7/8"	10,372	10,292			
31. PERFORATION RECORD (Interval, size and number) See attached record 3 STATE 2 USGS 3 PARTNERS 1 JAD 1 ALF 2 FILE					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
3950		1175 sx Class G cmt			
11,225-12,661		6300 gal 12% HCl - 3% HF			
11,221.5 - 12,859		20,000 gals 12% HCl - 3% HF			
33. PRODUCTION					
DATE FIRST PRODUCTION 10-13-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) (10-2-74) Flowing			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 9-17-74	HOURS TESTED 24	CHOKE SIZE 20/64	PROD'N. FOR TEST PERIOD \rightarrow	OIL—BBL. 336	GAS—MCF. 298
FLOW. TUBING PRESS. 300	CASING PRESSURE	CALCULATED 24-HOUR RATE \rightarrow	OIL—BBL.	GAS—MCF.	WATER—BBL. 53
				OIL GRAVITY-API (CORR.) 42	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold					TEST WITNESSED BY J. H. Daggett
35. LIST OF ATTACHMENTS Perforating Record					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED <u>Jennifer A. Mishler</u> TITLE <u>Engineering Assistant</u> DATE <u>10-4-74</u>					

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			None

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Main Pay	9,703	(-4360)
K	9,843	(-4500)
Lower Pay	10,048	(-4705)
CP 90	10,143	(-4800)
Top Red Beds	10,493	(-5150)
Base Reds	10,943	(-5600)
CP 200	11,893	(-6550)
CP 232	12,786	(-7443)
TD	13,200	(-7857)

Harmston 1-32A1
Bluebell Field

PERFORATING RECORD

12,661, 12,657, 12,654, 12,619, 12,389, 12,385, 12,350, 12,335,
12,331, 12,295, 12,292, 12,159, 12,155, 12,149, 12,017, 12,013,
12,009, 12,000, 11,996, 11,992, 11,981, 11,977, 11,891, 11,887,
11,589, 11,581, 11,537, 11,533, 11,527, 11,511, 11,508, 11,499,
11,488, 11,481, 11,450, 11,440, 11,436.5, 11,433, 11,429.5, 11,424,
11,420.5, 11,421, 11,417.5, 11,415, 11,411.5, 11,411, 11,407.5,
11,225, 11,221.5

The above 49 zones were perforated with 2 shots/ft.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston
14. PERMIT NO.		9. WELL NO. 1-32A1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S32, T1S, R1W, USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☒

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

☐

(Other)

☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We plan to perforate interval 12,185-12,681 and acidize w/7500 gals 15% HCL.

Flare well for 48 hrs.

Present Production: 196 BOPD

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 6-5-75

BY C.B. Light

3-STATE
2-USGS
3-PARTNERS
1-JHD
1-FILE

18. I hereby certify that the foregoing is true and correct

SIGNED

Jennifer A. Mishler

Jennifer A. Mishler
TITLE Engineering Assistant

DATE 3-21-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron Oil Company - Western Division		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
14. PERMIT NO.		9. WELL NO. 1-32A1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) KB 5343		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 32, T1S, R1W, USM	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Duchesne	
18. STATE		13. STATE Utah	

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Perforated the following zone w/1 shot/Ft:

12,185, 12,194, 12,199, 12,210, 12,212, 12,218, 12,243, 12,251, 12,262, 12,268,
12,276, 12,301, 12,306, 12,313, 12,404, 12,409, 12,415, 12,426, 12,429, 12,667,
12,668, 12,672, 12,678, 12,681

Acidized w/9000 gals 15% HCl and flared for 48 hours.

Production Before WO: 196 BOPD

Production After WO: 107 BOPD

Date of work: 6/18 & 6/21/75

3-STATE
2-USGS
1-JHD
1-DOB
1-FILE
3-PARTNERS

18. I hereby certify that the foregoing is true and correct

SIGNATURE

TITLE

J. A. Mishler

Engineering Assistant

DATE

9-16-75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599 Denver, Colorado 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
		9. WELL NO. 1-32A1	
		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 32, T1S, R1W, USM	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343'	12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well requires artificial lift in order to produce. We have selected to use hydraulic pump lift method.

No additional surface area will be required for this installation. Operations will be similar to those approved for the Ute Tribal 10-13A4 well in Bluebell Field.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: May 16, 1977

BY: P. L. McConnell

18. I hereby certify that the foregoing is true and correct

H. F. COPELAND
Area Supervisor

SIGNED

TITLE

DATE 5-4-77

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

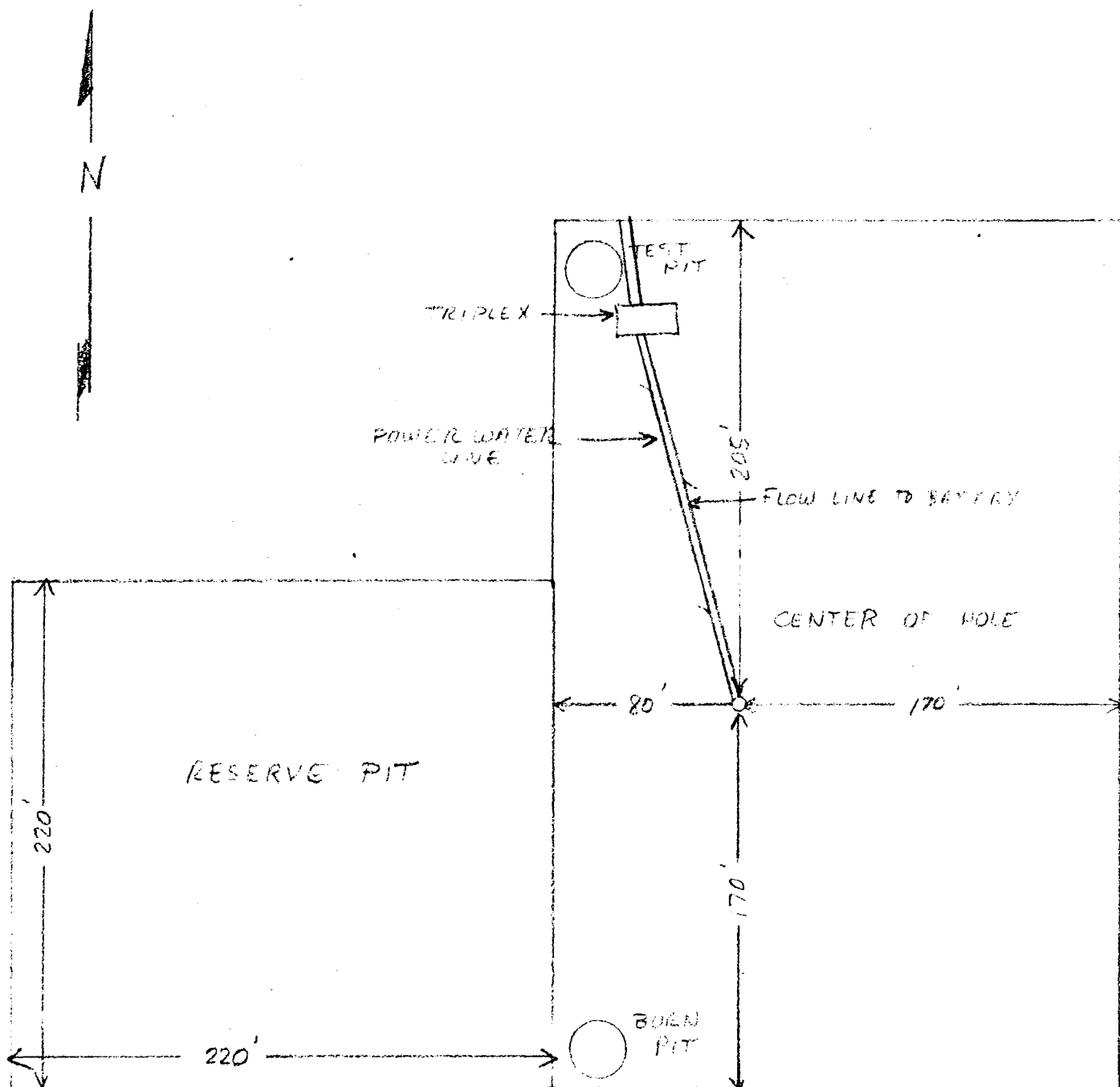
DATE

CHEVRON U.S.A., INC.

Harmston 1-32 A1

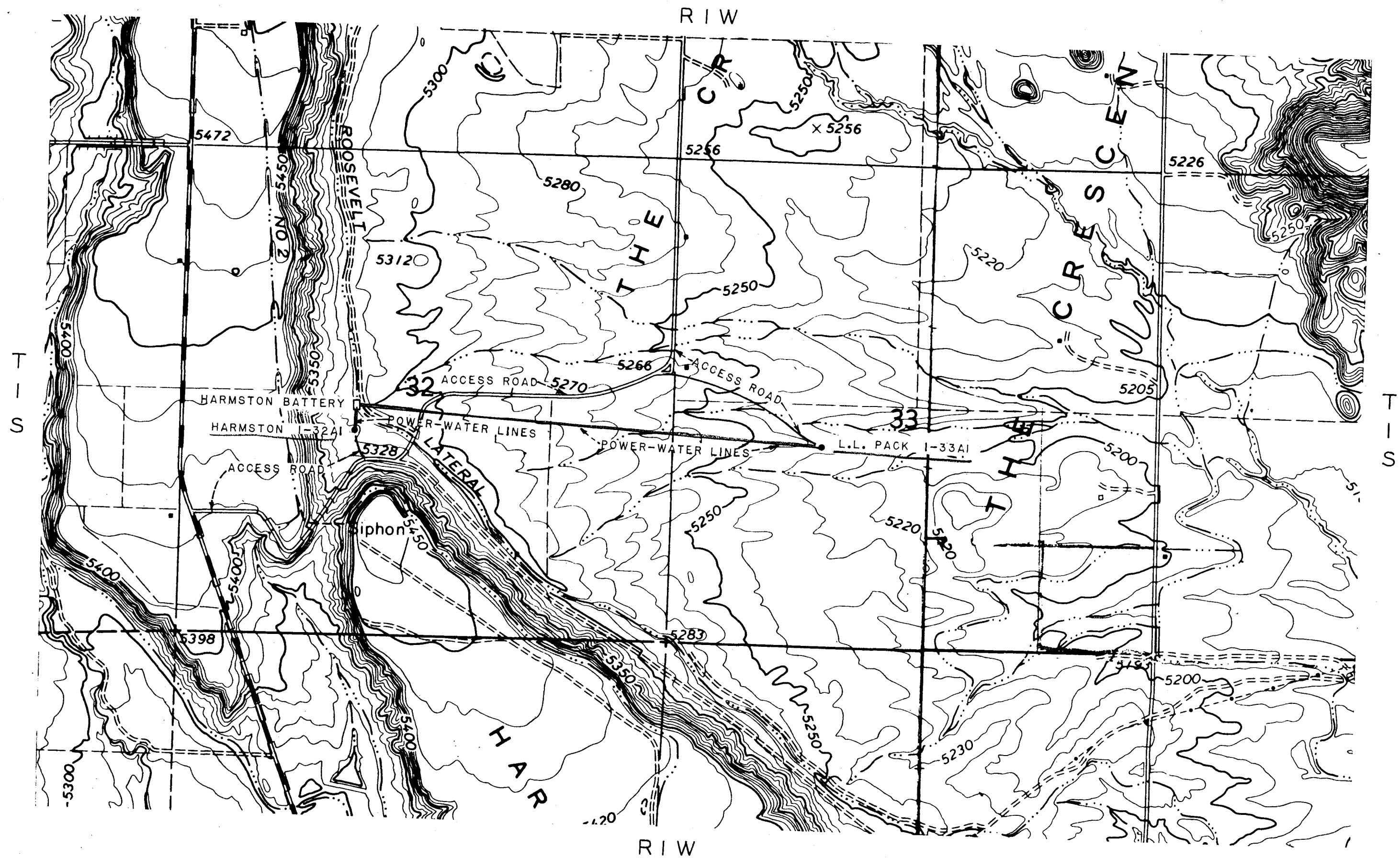
SEC. 32, T1S, R1W

DUCHESE CO., UTAH



SCALE : 1.5" = 100'

DRILLSITE LOCATION PLAT
HYDRAULIC PUMP INSTALLATION





Chevron U.S.A. Inc.

1700 Broadway, P.O. Box 599, Denver, CO 80201

May 6, 1977

INSTALLATION OF HYDRAULIC
PUMPING EQUIPMENT AND POWER
WATER LINES
HORROCKS 1-6A1
HARMSTON 1-32A1
MILLER 2-1A2
PACK 1-33A1
BLUEBELL FIELD
DUCHESNE COUNTY, UTAH

Mr. E. W. Gynn
U.S.G.S.
8440 Federal Building
Salt Lake City, Utah 84138


Dear Sir:

We request your approval to install hydraulic downhole pumping systems in subject wells in the Bluebell Field. The systems will all be similar to those approved for Ute 10-13A4 in the Altamont Field (Harmston 1-32A1 and Miller 2-1A2) or for the Ute 11-6A2 in the Bluebell Field (Horrocks 1-6A1 and Pack 1-33A1). We also request your approval to install power water lines for these systems from the well to the tank battery locations. The lines will be installed in existing flowline bundles.

Attached are 3 copies (per well) of a Sundry Notice, Form 9-331; a topographic map showing well location and access thereto, and a plat of the drilling location showing the land that has been graded for the production facilities required for subject wells.

All of the facilities for these installations will be constructed within the boundaries of the present damage areas, either at the tank batteries or at the wellsites except the power water lines for wells Horrocks 1-6A1 and Pack 1-33A1 will be installed in the existing flowline bundles along the present line right-of-ways.

Very truly yours,


H. F. COPELAND
Area Supervisor

PJD:gld
Attachments

✓ 2cc: State Oil & Gas Comm



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		7. UNIT AGREEMENT NAME C. A. 96-93	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
14. PERMIT NO.		9. WELL NO. 1-32A1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343'		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S32, T1S, R1W, USM	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Installation of Hydraulic Pump ☒

REPAIRING WELL ☐

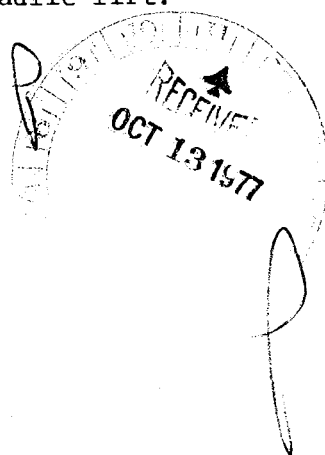
ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

This well was placed on production 9/15/77 with hydraulic lift.



18. I hereby certify that the foregoing is true and correct

SIGNED

H. F. Copeland

TITLE

Area Supervisor

DATE 10/7/77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston
14. PERMIT NO.		9. WELL NO. 1-32 A1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343		10. FIELD AND POOL, OR WILDCAT Bluebell - Wasatch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S32, T15, R1W, USM
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to acidize well as follows:

1. MIR & RU. ND. NU BOPE. Kill well w/2% KCl water.
2. Acidize well as per the attached.
3. Place well on production.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 2-6-79

BY: [Signature]

Verbal approval given by Utah Division of Oil, Gas & Mining on 1/17/79.
Verbal approval given by USGS, Mr. W. P. Marten on 1/17/79.

3 - State
2 - USGS
3 - Partners
1 - JAH
1 - DLD
1 - Sec. 723
1 - File

No additional surface
disturbances required
for this activity.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Engineering Assistant

DATE Jan. 19, 1979

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

WELL NAME: Harmston 1-32 A1

FIELD: Bluebell

PROPOSED TREATMENT PROCEDURE

1. Objective: Clean out scale deposits in well bore and inhibit formation from further accumulation.
2. Size and type of treatment: 24,000 gals. 15% HCl (MSR Acid)
3. Intervals to be treated: 11,221 - 12,661
4. Treatment down casing or tubing: Tubing
5. Method of localizing its effects: Ball sealers and benzoic acid flakes to be used as diverting agents
6. Disposal of treating fluid: Spent acid will be swabbed back.
7. Name of company to do work: Dowell, Halliburton or Western
8. Anticipated additional surface disturbances: None
9. - Estimated work date: January 22, 1979
10. Present status, current production and producing interval:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
12/18 - 25/78	37		34

January 18, 1979

MEMO TO FILE

Re: CHEVRON OIL COMPANY
Well No. Harmston 1-32A1
Sec. 32, T. 1S, R. 1W
Duchesne County, Utah

This office received a telephone call from Mr. Joe Johnson, of Chevron Oil, requesting permission to perforate additional zones and acidize as they are in the process of removing a down hole hydraulic pump, and wished to take advantage of a rig over the hole.

Verbal permission was granted on the above date.

MICHAEL T. MINDER
Geologic Engineer

MTM/lw

WELL NAME Harmston 1-32A1

FIELD NAME Bluebell

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 24,000 gals 15% HCL (MSR acid)
2. Intervals treated: 11,221-12,661
3. Treatment down casing or tubing. tubing
4. Methods used to localize effects: Ball sealers and benzoic acid flakes were used as diverting agents.
5. Disposal of treating fluid: Spent acid was swabbed back to flat tank.
6. Depth to which well was cleaned out:
7. Time spent bailing and cleaning out: 5 days
8. Date of work: Jan 24, 1979
9. Company who performed work: Dowell
10. Production interval: 11,221-12,661
11. Status and production before treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
1/10-17/79	0		24

12. Status and production after treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
2/2-9/79	56		90
2/10-17/79	46		92

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Chevron U.S.A. Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		8. FARM OR LEASE NAME Harmston	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL & 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		9. WELL NO. 1-32A1	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Bluebell-Wasatch	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T1S, R1W, USM	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to perforate, reperforate & acid stimulate as follows:

1. MI wireline, reverse circ pump to surface. Fish out std valve.
2. MI & RU WO Rig. NU BOPE & test.
3. Unlatch from BHA & POOH 1-1/2" parallel tbg. Unlatch from Retr. "D" & displace hole w/heated formation wtr.
4. POOH w/2-7/8" prod tbg & hydra-BHA.
5. LD BHA. RIH & retrieve Baker Retr. "D". Loc set PKR at 10,312'.
6. Check hole for fill, PBTD - 12,863'. If fill is found RIH w/4-1/8" mill & clean-out to original PBTD - 12,985'. Circ hole clean. POOH w/4-1/8" mill.
7. Perf w/3-1/8" csg gun. See attached
8. PU & RIH w/Baker hoe-set PKR an 2-7/8" prod. tbg & set at 10,312'.
9. Acidize. See attached
10. Unload well. Swab if necessary. If well doesn't flow POOH w/2-7/8" prod. tbg & hoc set PKR.
11. PU & RIH tbg. anchor on btm. land tbg anchor at \pm 10,300'. RIH w/1-1/2" parallel string & Land in BHA. Pydrotest.
12. Verify press test. RD & MO.
13. Using Triplex pump, circ well w/heated power wtr to clean & heat up.
14. Place well on production.

No additional surface
disturbances required
for this activity.

1-File

1-Sec 723

3-USGS

2-State

3-Partners

1-WT

1-JAH

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Engineering Assistant

DATE

MAY 02 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE

*See Instructions on Reverse Side

BY:

P.L. Driscoll KA

Internal 2209

WELL NAME: Harmston 1-32A1

FIELD: Blue Bell

PROPOSED PERFORATING PROCEDURE

1. Changes intended: To introduce new & old sands to the producing level.
2. Results anticipated: Increase production
3. Conditions of well which warrant such work: Dec. in production.
4. To be ripped or shot: Shot
5. Depth, number and size of shots (or depth of rips): 2 SPL, see attached

6. Date last Log of well filed:
7. Anticipated additional surface disturbances: None
8. Estimated work date: June 5, 1979
9. Present production and status:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
4/2-9/79	46		71

WELL NAME: Harmston 1-32A1

FIELD: Blue Bell

PROPOSED TREATMENT PROCEDURE

1. Objective: To introduce new sands to production & to increase production.
2. Size and type of treatment: 26,000 gals. MSR - 100 - 15% HCl
3. Intervals to be treated: 10,650 - 12,859
4. Treatment down casing or tubing: Casing
5. Method of localizing its effects: Ballsealers & 1000 lbs. Naphthalene.
6. Disposal of treating fluid: Swab back to flat tanks.
7. Name of company to do work: Halliburton, Dowell, Western
8. Anticipated additional surface disturbances: None
9. Estimated work date: June 5, 1979
10. Present status, current production and producing interval:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
4/2-9/79	46		71

CFL/SG/FAP
Harmstom #1-32A1
Recommended Perf's For Workover
P2-2742

Perforate W 2SPL. Depths are based on CNL 9/7/73, Gamma Ray.
113 levels, 226 holes.

10650	11416	11573 *	11801
53	21 *	81 *	10 *
10745	24 *	88	14 *
51	33 *	11684	19
54	40 *	96	25
68	56	11704 *	28 *
75	50 *	8 *	32 *
78	54	24	35
10866	81 *	35 *	48
71	88 *	47 *	65
74	99 *	51 *	97
11101	11507	59 *	11904
11	11 *	64 *	49
21	20	70 *	56
25	27 *	73 *	67
88	33 *	77 *	77 *
92	37 *	83 *	92 *
11373	46	92 *	94
11412	52	95 *	12000 *
12009 *	12564 *		
13 *	12600 *		
17 *	8		
30 *	19 *		
43 *	23		
55 *	54 *		
12149 *	57 *		
55 *	61 *		
59 *	12772 *		
12233	76 *		
94	82		
97	88 *		
12332	92		
36	12856 *		
52	23859 *		
68 *			
87			
92			
12502 *			
42 *			
45 *			
12561 *			

* Reperforations = 59/113

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL and 1826' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)		8. FARM OR LEASE NAME Harmston	
14. PERMIT NO.		9. WELL NO. 1-32A1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5343		10. FIELD AND POOL, OR WILDCAT Bluebell - Wasatch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T1S, R1W, USM	
		12. COUNTY OR PARISH Duchesne	
		18. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was acidized as follows:

1. MIR and RU. ND well head. NU BOPE. Pumped 100 bbls produced wtr down 1-1/2" tbg. Pumped hot wtr down csg to clean tbg, csg and load well.
2. Acidized well. See attached.
3. Placed well on production.

3- State
2- USGS
3- Partners
1- JAH
1- Sec 723
1- File

No additional surface
disturbances required
for this activity.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Engineering Assistant

DATE June 25, 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

COMPLETED PERFORATING PROCEDURE

1. Depth, number and size of shots (or depths of rips): 2SPF

12,792	12,442	12,055	11,865	11,759	11,546	11,111
788	02	43	48	51	37	01
82	12,392	30	35	47	33	10,874
76	87	17	32	35	27	71
72	68	13	28	24	11,454	66
661	52	9	25	8	24	10,778
57	36	12,000	19	4	21	75
54	32	11,994	14	11,696	16	68
23	12,297	92	1	84	12	54
19	94	77	11,795	11,588	11,373	51
8	33	67	92	81	11,192	45
600	12,159	56	83	73	88	10,653
564	12,155	49	77	52	25	50
61	49	04	73		21	
		11,897	64			

2. Company doing work: McCullough

3. Date of work: July 7, 1979

4. Additional surface disturbances: None

5. Production after work:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
7/79	52		112

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Chevron U.S.A. Inc.
3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, CO. 80201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2215' FSL & 1826' FWL NE, SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) Temporarily abandon Wasatch, complete Green River

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to temporarily abandon the Wasatch and complete the Green River Formation.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-10-82

BY: [Signature]

3-USGS
2-State
3-Partners
1-Sec 723
1-Field Foreman
1-File

No additional surface
disturbances required
for this activity.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineering Asst. DATE August 6, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

PROPOSED TREATMENT PROCEDURE

1. Objective: Acidize the Green River Formation
2. Size and type of treatment: 20,000 gals 15% HCl
3. Intervals to be treated:
10,084-10,464 with 3-5/8" casing gun, 2 shots per foot.
9,676- 9,810 with 3-5/8" casing gun, 2 shots per foot.
4. Treatment down casing or tubing: Casing
5. Method of localizing its effects: 2% KCl & Benzoic Acid Flakes
6. Disposal of treating fluid: Spent acid to be swabbed to frac tank
7. Name of company to do work: Haliburton, Dowell or Western
8. Anticipated additional surface disturbances: None
9. Estimated work date: 8/15/82
10. Present status, current production and producing interval:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
5/82	±27	-	±58

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

PROPOSED PERFORATING PROCEDURE

1. Changes intended: Perf Green River Formation
2. Results anticipated: Production of 100 BOPD for one year is anticipated.
3. Conditions of well which warrant such work:
Production is below economic limit in the Wasatch Formation. Other completions in the Green River have shown encouraging results.
4. To be ripped or shot: shot
5. Depth, number, and size of shots (or depth of rips):

-See attached sheet

6. Date last Log of well filed: -
7. Anticipated additional surface disturbances: None
8. Estimated work date: 8/15/82
9. Present production and status:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
5/82	±27	-	±58

HARMSTON 1-32A1
1S-1W-32
CRD2-2878
DUCHESNE, UTAH
July 2, 1982

Well Data:

Completion date: 10/01/73
TD: 13,000'
PBDT: 12,985'

Casing: 9-5/8", K-55, 36 # @ 2500'
7", RS-95, 26 # @ 10,508'
5" liner S-95, 18 # Top @ 10,315', bottom @ 13,000'

Tubing: 2-7/8", N-80 landed in pkr @ 10,187'
1-1/2" N-80 @ 10,099'

Packer: Baker model D Top @ 10,183'

BHA: National Hydraulic pump 035, BHA Type C btm @ 10,122'

Perfs: Open Wasatch:
10/08/73 11,221'-12,661' (42 levels, 84 holes)
07/07/79 10,650'-12,792' (111 levels, 222 holes)

Stimulation History:

10/08/73: Acidized with 6300 gallon 12% HCl-3% HF with additives plus 0.1 #/gal 05/160 unibeads. Had good ball action throughout (100 balls dropped).

Avg. rate: 12 BPM, Avg. injection Pressure: 8000 psig
Production before: 793 BOPD, 0 BWPD
Production after: 1477 BOPD, 0 BWPD
perforations: 11,222' - 12,661' (shot 42 levels, 84 holes)

06/15/74: Acidized with 20,000 gallon 12% HCl-3% HF with necessary additives. Had good ball action throughout (200 balls dropped). Avg. rate: 14 BPM, Avg. injection Pressure: 8200 psig
Production before: 303 BOPD, 1 BWPD
Production after: 996 BOPD, 17 BWPD

06/21/75: Acidized with 9000 gallon 15% HCl, using benzoic acid flakes as diverter. Saw fair diverting in first two stages and no diversion in last three stages.
Avg. rate: 16 BPM, Avg. injection pressure: 8800 psig
Production before: 68 BOPD, 21 BWPD
Production after: 60 BOPD, 30 BWPD

HARMSTON 1-32A1
1S-1W-32
CRD2-2878
DUCHESNE, UTAH
July 2, 1982
Page 2

Stimulation History: (continued)

- 08/15/77: Acidized with 6000 gallon 15% HCl, using balls as diverter. No mention was made as to the effectiveness of the balls. Avg. rate: $8\frac{1}{2}$ BPM
Avg injection pressure: 6000 psig
Production before: 60 BOPD, 68 BWPD
Production after: 160 BOPD, 40 BWPD
- 01/24/79: Acidized with 24,000 gallon 15% MSR acid. Benzoic acid flakes and balls used for diversion. Good diversion of first 4000 gallons, slight diversion on rest of treatment.
Avg. rate: $6\frac{1}{4}$ BPM, Avg. Injection pressure 7800 psig.
Production before: 22 BOPD, 55 BWPD
Production after: 100 BOPD, 75 BWPD
- 07/12/79: Acidized with 26,000 gallon MSR-100, 15% HCl. Balls were used as diverter, however no mention made of their performance. The equipment failed six times causing six shut downs in the Acid treatment.
Avg rate: 5.5 BPM, Avg. Pressure: 5500 psig
Production before: 33 BOPD, 82 BWPD
Production after: 50 BOPD, 110 BWPD
well was perforated on 07/07/79 (111 levels-222 shots)
with a range of 10,650'-12,792'

Present Production: 27 BOPD, 58 BWPD (May 1982)

Cumulative Production as of May 1982: 367,840 BBLS OIL
185,006 BBLS WATER
399,132 MCF GAS

Workover Procedure:

1. MI and RU WOR.
2. ND tree, NU BOPE and test.
3. POOH $1\frac{1}{2}$ " N-80 tbg, 2-7/8" N-80 tbg, hydraulic BHA
4. Mill out Baker Model "D" pkr.
5. RIH with csg scraper \pm 10,630'.
6. Set CICR @ \pm 10,630' and pump \pm 100 sacks of cement to temporarily abandon.

HARMSTON 1-32A1
1S-1W-32
CRD2-2878
DUCHESNE, UTAH
July 2, 1982
Page 3

Workover Procedure: (continued)

7. RIH and perf Group I (10,084'-10,464') with $3\frac{5}{8}$ " casing gun, 2 shots per foot.
8. Isolate zone and swab test. Collect water and oil samples. Report to Denver.
9. RIH and perf Group II (9676'-9810') with $3\frac{5}{8}$ " casing gun, 2 shots per foot.
10. Isolate zone and swab test. Collect water and oil samples. Report to Denver.
11. Upon approval from Denver, acidize well.
12. Consult Denver for completion.

Mud weights used when well was first drilled were:

10.6 ppg @ 10,000'
12.0 ppg @ 10,260'
12.7 ppg @ 10,800'
13.1 ppg @ 11,000'

HARMSTON 1-32A1
 1S-1W-32
 CRD2-2878
 DUCHESNE, UTAH
 July 2, 1982
Page 4

Group I Perforations (10,084'-10,464')

10,464	10,383	10,320	10,223	10,130
462	381	318	221	120
460	378	316	220	118
458	376	314	219	110
452	374	312	218	108
450	372	310	216	095
442	370	308	214	093
440	368	301	208	091
427	366	300	206	086
425	364	299	204	084
423	362	287	202	
421	360	285	200	(130 levels)
419	358	280	198	
417	356	278	196	
415	354	276	194	
413	352	266	190	
411	350	264	188	
409	348	262	186	
407	346	260	184	
405	344	250	182	
403	342	248	174	
401	340	246	172	
399	338	244	170	
397	336	242	148	
395	335	240	146	
393	333	232	144	
391	331	230	138	
389	329	228	136	
387	327	226	134	
385	325	224	132	

Group II Perforations: (9676'-9810')

9,810	9,793	9,717	9,788
09	81	15	86
08	79	00	84
9,799	63	9,698	78
97	61	96	76
95	55	94	(29 levels)

HARMSTON 1-32A1
1S-1W-32
CRD2-2878
DUCHESNE, UTAH
July 2, 1982
Page 5

Acid Treatment

Acid: 20,000 gal 15% HCl

Diverter: 4500 gal, 30 #/M gal 2% KCl water with 1 ppg benzoic acid flakes

Additives: 2 gal w-27 (non-emulsifier)/Mgal
6 gal A-200 (corrosion inhibitor)/Mgal
2 gal clay stablizer/Mgal
2 gal F-78 (surfactant)/Mgal
10 gal U-42 (Scale Inhibitor)/Mgal

Flush: Produced formation water

Pump Requirements: + 5 to 10 BPM
5000 # max treating pressure
1225 HHP (maximum)

Acid treatment procedure: 1) 2000 gal Acid with additives
2) 500 gal diverter
Repeat steps 1-2 eight times
3) 2000 gal acid with additives
4) Flush to top of perfs
5) SI overnight to obtain max. scale inhibition
6) Flow/swab load until pH 5 or lower

(10 stages Acid, 9 stages diverter)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐
well well other

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12) ND TREE, NU BOPE. RIH W/TBG. HYDROTST.

13) ND BOPE, NU TREE, RD MOL.

5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harmston

9. WELL NO.

1-32A1

10. FIELD OR WILDCAT NAME

Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 32, T1S, R1W

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

KB 5343'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

3-MMS
2-State
3-Partners
1-Sec 723
1-Fld Foreman
1-File

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Luan M. Jones TITLE Engineering Asst. DATE September 14, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR

P. O. Box 599, Denver, CO. 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2215' FSL & 1826' FWL NESW

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

☐

FRACTURE TREAT ☐

☐

SHOOT OR ACIDIZE ☐

☒

REPAIR WELL ☐

☐

PULL OR ALTER CASING ☐

☐

MULTIPLE COMPLETE ☐

☐

CHANGE ZONES ☐

☐

ABANDON* ☐

☐

(other) Temporarily abandon watch, complete Green River

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was perf'd and acidized as follows:

- 1) MIRU. ND TREE, NU BOPE.
- 2) POOH W/TBG AND BHA.
- 3) MILL OUT PKR AND POOH W/SAME.
- 4) MADE SCRAPER RUN TO 10,750.
- 5) SET BAKER RETAINER @ 10,600. CMTD PERFS f/10,650-12,792 W/200 SXS CMT. DISPLACED HOLE W/BRINE WTR.
- 6) PERFD W/2 SPF AS SHOWN ON DETAIL SHEET.
- 7) SET PKR @ 10,032. SWBD TBG TO 9500'. FINAL SWB WAS GAS CUT, 20% WTR, 80% OIL. SWBD TO 10,000, 100% CRUDE OIL.
- 8) PERFD W/2 SPF AS SHOWN ON DETAIL SHEET.
- 9) SET PKR @ 9614. HYDROTST IN HOLE. CIRC HOLE. RIH W/TBG AND LND.
- 10) ND BOPE, NU TREE. ACDZD PERFS AS SHOWN ON DETAIL SHEET. SWBD WELL TO PIT.
- 11) PERFORMED SCALE INHIBITOR SQZ. PMPD 30 BBLS LEASE WTR W/3 DRUMS NALCO 9DS-087 & 300 BBLS CaCl₂ WTR FLUSHED W/LEASE WTR.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Engineering Asst. DATE September 14, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

COMPLETED PERFORATING PROCEDURE

1. Depth, number and size of shots (or depths of rips):

10,464-407	2 SPF	9810-08	2 SPF	9717	2 SPF
10,405-374	2 SPF	9799	2 SPF	9715	2 SPF
10,372-340	2 SPF	9797	2 SPF	9700	2 SPF
10,338-316	2 SPF	9795	2 SPF	9698	2 SPF
10,314-260	2 SPF	9793	2 SPF	9696	2 SPF
10,250-224	2 SPF	9781	2 SPF	9694	2 SPF
10,223-194	2 SPF	9779	2 SPF	9688	2 SPF
10,190-144	2 SPF	9763	2 SPF	9686	2 SPF
10,138-084	2 SPF	9761	2 SPF	9684	2 SPF
		9755	2 SPF	9678	2 SPF
				9676	2 SPF

2. Company doing work: Gearhart & GO Wireline

3. Date of work: 8/11/82 & 8/14/82

4. Additional surface disturbances: None

5. Production after work:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
7/82	31	-	110

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2215' FSL & 1826' FWL (NE, SW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

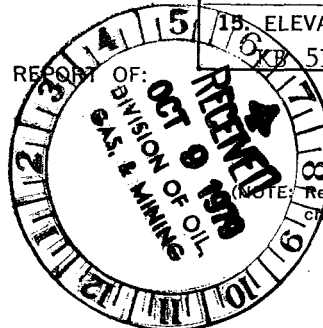
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

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5. LEASE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Harmston
9. WELL NO.
1-32A1
10. FIELD OR WILDCAT NAME
Bluebell-Wasatch
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 32, T1S, R1W
12. COUNTY OR PARISH
Duchesne
13. STATE
Utah
14. API NO.
5B43

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was acidized & perforated.

1. M13RU. Fished out standing valve. ND tree, NU ROPE. POOH 1 1/2" tbg.
2. Unlatched from Retr. "D" & displaced hole w/heated formation wtr.
3. POOH w/2-7/8" prod. tbg. & hydra-BHA. POOH Retr. "D".
4. Tagged fill at 12,850'. RIH w/4-1/8" mill. Circ hole clean.
5. Perforated. See attached.
6. Acidized. See attached.
7. PU & RIH tbg., anchor on btm., land tbg. anchor. RIH w/1 1/2" parallel string & land in BHA.
8. RD & MO.
9. Placed well on production.

3-4565
2-Static
3-Partners
1-See 723
1-File

No additional surface
disturbances required
for this activity.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Engineering Assistant DATE September 21, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME Harmston 1-32A1

FIELD NAME Bluebell

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 20,000 gals 15% HCL
2. Intervals treated: 9676-10,464
3. Treatment down casing or tubing: Casing
4. Methods used to localize effects: 2% KCL & Benzoic Acid Flakes
5. Disposal of treating fluid: Spent acid was swabbed to frac tank.
6. Depth to which well was cleaned out: 10,750'
7. Date of work: 8/17/82
8. Company who performed work: Dowell
9. Production interval: 9676-10,464
10. Status and production before treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
5/82	± 27	-	± 58

11. Status and production after treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
7/82	31	-	110

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Chevron U.S.A. Inc.
3. ADDRESS OF OPERATOR
P.O. Box 599, Denver, CO. 80201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2215' FSL & 1826' FWL NESW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to perform an 8000 gal 7½% HCl breakdown/wellbore cleanup in the Green River zone. It is believed that an insufficient treating pressure and benzoic acid flake plugging from the initial treatment of this zone are responsible for the low post stimulation fluid rate of 10 BFPD.

No additional surface
disturbances required
for this activity.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Arden F. Bush TITLE Engineering Asst. DATE October 15, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Harmston
9. WELL NO.
1-32A1
10. FIELD OR WILDCAT NAME
Bluebell
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 32, T1S, R1W
12. COUNTY OR PARISH 13. STATE
Duchesne Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5343'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

3-MMS
2-State
3-Partners
1-Partners
1-Sec 723
1-Fld Foreman
1-Ute Tribe
1-File

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

PROPOSED TREATMENT PROCEDURE

1. Objective: Perform acid breakdown/wellbore cleanup
2. Size and type of treatment:
8,000 gals 7½% HCl
3. Intervals to be treated:
10,084-10,464
9,676-9,810
4. Treatment down casing or tubing: Casing
5. Method of localizing its effects: 2% KCl wtr
6. Disposal of treating fluid: Swab spent acid to frac tank
7. Name of company to do work: Halliburton, Dowell or Western
8. Anticipated additional surface disturbances: None
9. Estimated work date: 11/1/82
10. Present status, current production and producing interval:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
8/82	±10	-	-

HARMSTON 1-32A1
BLUEBELL
CRD2-2878
SUPPLEMENT #1
September 28, 1982

PROCEDURE:

1. MI and RU.
2. ND tree and NU BOPE.
3. POOH 1½" N-80 tbg, 2-7/8" N-80 tbg, hydraulic BHA.
4. Hydrotest 2-7/8" tbg into hole and sting into Model "D" pkr @ 9614'.
5. Pump 8,000 gal 7½% HCl with necessary additives and 380 7/8" 1.1 SG RCN ball sealers spaced evenly throughout. Overflush with 200 bbls 2% KCl water.
Pump Requirements: 10-12 BPM @ 8000 # with 2500 # on backside.
6. Swab/flow back load until pH is ± 5.
7. If necessary, POOH and install hydraulic pump.
8. ND BOPE and NU tree.
9. Return well to production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, CO. 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2215' FSL & 1826' FWL NESW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

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5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harmston

9. WELL NO.

1-32A1

10. FIELD OR WILDCAT NAME

Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 32, T1S, R1W

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

KB 5343'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was acidized and cleaned up as follows:

1. MIRU, TEAR DOWN WELLHEAD, NDTREE, NU BOPE POOH W/TBG.
2. HYDROTST 2-7/8" TBG IN HOLE TO 8000 PSI. PRESS TSTD ANNULUS TO 2000 PSI.
3. RIH W/1 1/2" TBG, LAND ON HANGER, NUTREE & TSTD SAME TO 5000 PSI. -OK.
4. ACIDIZE PERFS 9676-10,464' W/8000 gal 15% HCl & ADDITIVES. SWBD WELL TO FRAC TANK.

Present status:

10-31-82 144BO, 833BW 20 days production

3-MMS
2-State
3-Partners
1-Sec 723
1-Fld Foreman
1-Ute Tribal
1-File

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Eun M. Leonard TITLE Engineering Asst. DATE November 19, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME Harmston 1-32A1

FIELD NAME Bluebell

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 26,000 gal. 15% HCl
2. Intervals treated: 10,650-12,859
3. Treatment down casing or tubing. Tbg.
4. Methods used to localize effects: Ball sealers & 1000 lbs. Naphthalene.
5. Disposal of treating fluid: Spent acid was swabbed back.
6. Depth to which well was cleaned out:
7. Time spent bailing and cleaning out:
8. Date of work: July 12, 1979
9. Company who performed work: Dowell
10. Production interval: 10,650-12,859
11. Status and production before treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
4/29/79	46		71

12. Status and production after treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
7/79	52		112

WELL NAME Harmston 1-32A1

FIELD NAME Bluebell

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 4500 gals 15% HCL & additives
2. Intervals treated:

9310 - 9348	4500 gals 15% HCL & Additives
9060 - 9096	3500 gals 15% HCL & Additives
8596 - 8666	8000 gals 15% HCL & Additives
9188 - 9204	2500 gals 15% HCL & Additives
3. Treatment down casing or tubing: Tubing
4. Methods used to localize effects: Ball sealer, retrievable bridge plug and packer were used as diverting agents.
5. Disposal of treating fluid: Spent acid was swabbed back to flat tank.
6. Depth to which well was cleaned out:
7. Date of work: August 29, September 1, 6, 1984. November 13, 1984
8. Company who performed work: Dowell & Western
9. Production interval:
10. Status and production before treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
8/84	24		50

11. Status and production after treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
9/10-17/84	0		0
11/18-25/84	12		21
11/26-28/84	17		0

Harmston
Well 1-32A1
November 19, 1982

5. PERF'D 10,182-232' W/4JPF., SWBD PERFS.
6. HYDROTST 2-7/8" TBG IN HOLE TO 8000 PSI. LANDED ON SPLIT HANGER, RIH & HYDROTSTD 1½" TBG TO 8000 PSI. LANDED TBG.
7. ND BOPE, NU TREE & TSTD TO 5000 PSI. -OK
8. SET STANDING VALVE @ BTM OF PMP CAVITY-- PRESS TSTD TO 2000 PSI.
9. RD MOL.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
Chevron U.S.A. Inc.
3. ADDRESS OF OPERATOR
P. O. Box 599, Denver, Co. 80201
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2215' FSL & 1826' FNL NE $\frac{1}{4}$ SW $\frac{1}{4}$
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) log

SUBSEQUENT REPORT OF:

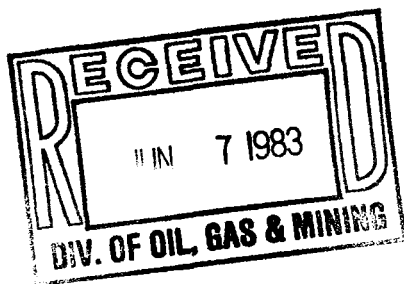
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5. LEASE
Patented CA 96-93
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Harmston
9. WELL NO.
1-32A1
10. FIELD OR WILDCAT NAME
Bluebell
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 32, T1S, R1W
12. COUNTY OR PARISH Duchesne 13. STATE Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 5343

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to log the entire Green River Formation, acidize the existing perfs and perforate and acidize new potential zones if the logs warrant.



No additional surface
disturbances required
for this activity.

3-BLM
2-State
1-Sec. 723
1-LRH
1-File

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED William J. Bush TITLE Engineering Asst. DATE May 26, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Harmston 1-32A1
1S-1W-32
Duchesne, Utah
April 27, 1983
PAGE 2

Workover Procedure

- 1) MIRU WOR
- 2) ND tree, NU BOPE and test
- 3) POOH 1½" tbg, 27/8" tbg and hydraulic BHA
- 4) Mill-out Baker Model "D" pkr @ 9614'
- 5) RIH w/csg scraper to PBTD
- 6) Run suite of logs. Log suite will include: CO, Neutron lifetime, spectralog, acoustic log and CBL. Logging will take approx. 7 days.
- 7) Isolate perfed interval 10,083' - 10,464' and acidize according to the attached procedure A.

The following is a tentative procedure. The proposed perforations and the zones to be selectively acidized may change pending log analysis.

- 8) Perforate attached list of perfs @ 90° phasing using csg guns. All levels are 2 SPF.
- 9) Isolate interval 9346' - 9670' and acidize according to procedure B
- 10) Isolate interval 8874' - 9184' and acidize according to procedure B
- 11) Isolate interval 8116' - 8670' and acidize according to procedure B
- 12) Isolate interval 7540' - 7852' and acidize according to procedure B
- 13) POOH w/ tools.
- 14) RIH w/pkr and set (Baker Model "D")
- 15) Install pump and return well to production.

Note: All depths are from the Schlumberger - Compensated Neutron Log, run number one, September 7, 1973.

Harmston 1-32A1
1S-1W-32
Duchesne, Utah
April 27, 1983
PAGE 3

Acid Treatment: (Procedure A)

Acid: 7500 gal 15% HCL
Additives: 2 gal/1000 gal surfactant
2 gal/1000 gal clay stabilizer
3 gal/1000 gal Non-emulsifier
4 gal/1000 gal Corrosion Inhibitor
10 gal/1000 gal Iron Chelating Agent

Diversion: 1000 gal, 2% KCL water with 2 ppg Benzoic Acid Flakes
PAD: 1000 gal, 2% KCL water.
Flush: Produced formation water as needed to displace tubing and casing.

Pump Requirements: +5 to 10 BPM
8000# max. treating pressure
1950 max. HHP.

Acid Treatment Procedure:

- 1) 500 gal Diversion
- 2) 1000 gal Pad.
- 3) 1500 gal Acid w/additives
- 4) 250 gal Diversion
- 5) 2500 gal Acid w/additives
- 6) 250 gal Diversion
- 7) 3500 gal Acid w/additives
- 8) Flush to Perfs
- 9) Flow/Swab until an Inflow Rate is Established.
- 10) Collect oil and water samples on last swab run. Send to T. Dombrowski in Denver.

Harmston 1-32A1
 1S-1W-32
 Duchesne, Utah
 April 27, 1983
PAGE 4

Perforations:

STAGE I:

9670	9617	9574	9534	9512	9356
68	9592	70	32	10	54
66	90	54	30	08	52
64	86	50	28	9369	50
62	84	48	26	67	48
58	82	46	24	64	9346
29	80	42	22	62	
22	78	40	16	60	(51 levels, 102
9619	9576	9538	9514	9358	shots)

STAGE II

9184	8995	8962	8942	8905	8884
80	93	60	40	03	82
78	91	58	38	00	80
76	89	56	36		78
9098	87	54	17	8898	76
96	85	52	15	96	8874
94	70	50	13	94	
92	68	48	11	90	(55 levels, 110
90	66	46	09	88	shots)
8997	8964	8944	8907	8886	

STAGE III

8670	8646	8551	8402	8378	8147
68	44	46	00	76	45
66	42	44	8398	8240	42
64	40	42	96	38	40
62	8569	40	94	36	38
60	67	38	92	34	22
58	65	36	90	32	20
56	61	8414	88	30	18
54	59	12	86	28	8116
52	57	10	84	26	
50	55	08	82	24	(69 levels 138
8648	8553	8404	8380	8222	shots)

Note: All depths are from the Schlumberger - Compensated Neutron Log, run number one, September 7, 1973.

Harmston 1-32A1
 1S-1W-32
 Duchesne, Utah
 April 27, 1983
PAGE 5

STATE IV

7852	7708	7605	7578	7504	7356
50	06	03	74	02	54
48	04	01	72	00	52
7779	02	7596	70	7498	50
77	7679	94	68	96	48
75	77	92	60	94	46
73	75	90	58	92	44
70	73	88	56	90	42
68	71	84	54	88	7340
12	09	82	52	7360	
7710	7607	7580	7550	7358	(64 levels, 128 shots)

STAGE V

6850	6820	6804	6602	6582	6566
48	18	02	00	80	64
45	16	6799	6598	78	6562
43	14	97	96	76	
41	12	94	90	74	(43 levels, 86 shots)
39	10	92	88	72	
37	08	6606	86	70	
6835	6806	6604	6584	6568	

Note: All depths are from the Schlumberger - Compensated Neutron Log,
 run number one, September 7, 1973.

Harmston 1-32A1
1S-1W-32
Duchesne, Utah
April 27, 1983
PAGE 6

Acid Treatment: (Procedure B)

Acid: 6000 gal 15% HCL
Additives: 2 gal/1000 gal Surfactant
2 gal/1000 gal Clay stabilizer
3 gal/1000 gal Non-emulsifier
4 gal/1000 gal Corrosion Inhibitor
10 gal/1000 gal Iron chelating agent.

Diversion: 500 gal, 2% KCL water with 1 ppg Benzoic Acid Flakes
PAD: 1000 gal, 2% KCL water
Flush: Produced formation water as needed to displace tubing and casing.

Pump Requirements: +5 to 10 BPM
8000# max. treating pressure
1950 max. HHP

Acid Treatment Procedure: 1) 1000 gal Pad
2) 2000 gal acid w/additives
3) 500 gal Diversion
4) 4000 gal acid w/additives
5) Overflush by 500 gal
6) Flow/swab until pH is +5
7) Catch oil and water samples and send to T. Dombrowski in Denver

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR

Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR

P. O. Box 599, Denver, Co. 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2215' FSL & 1826' FNL NESW

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒ ✓

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other)

SUBSEQUENT REPORT OF:

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☐

5. LEASE

Patented CA 96-93

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harmston

9. WELL NO.

1-32A1

10. FIELD OR WILDCAT NAME

Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 32, T1S, R1W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

KB 5343'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The entire Green River Formation was logged. The existing perfs were acidized.

1. MIRU, ND tree, NU BOPES & tst same. POOH w/1½" Tbg & 2-7/8" Prod tbg and pkr.
2. Made run w/6-1/8" bit & 7" csg scrpr.
3. Made run w/4-1/8" bit & 5" csg scrpr.
4. Ran acoustic-CBL. TG Btm @ 10,491'. Ran log F/TD to 6500'.
5. Ran Spectralog 10,499-6500'. Ran neutron lifetime log 10,484-6500'. Ran carbon oxygen log.
6. RIH w/retr. pkr & set @ 10,012'. Pmp wtr into perfs 10,083-464'. Filled annulus w/wtr. Press backside to 1500 psi. Very slow bleed off into perfs 9676-9810'.
7. Install tree saver. Test to 1500 psi. Acidized perfs 10,084-464' w/7500' gals 15% HCl. Swbd perfs. Pooh w/Pkr.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Sam H. Leonard

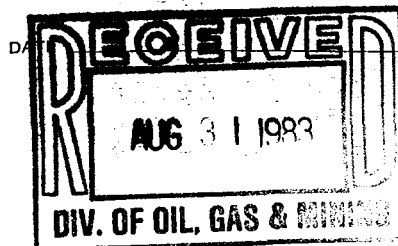
TITLE Engineering Asst. DATE August 26, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



Patented CA 96-93
Well No. 1-32A1
Bluebell

8. Perf'd 9919-9923, 9567-9569, 9538-9540, 9466-9470, 9445-9447, 9436-9438 w/4 SPF. RIH w/Pkr & BP. set @ 9990' & 10,000 respectively.
9. Acidized perfs: 9923-19, 9810-9676'; 9569-67', 9540-38', 9470-66', 9447-45', 9438-36'. w/8000 gals 15% HCL & additives. SWBD perfs. POOH w/BP & pkr).
10. Perf'd 9384, 9382, 9380, 9378, 9376, 9374, 9356, 9354, 9352, 9350, 9348, 9346, 9342, 9340, 9338, 9336, 9334, 9332, 9330, 9328, 9326, 9324, 9322, 9320, 9318, 9316, 9314, 9312, 9310, w/4 SPF.
11. RIH w/Pkr & BP. Set @ 9257' & 9415' respectively. NUTREE.
12. Acidize perfs 9310-9384' w/6000 gals 15% HCL & additives. Flwd well to flat tanks. Started making oil. Turn well to tank battery. Flwd well on 24/64 ck.
13. LD 1½" tbg. RD WOR. MOL.

Present Status:

Date: 7-83 252 BOPD, 37 BWPD, 0 MCF

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Patented CA 96-93
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, Colorado 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2215' FSL and 1826' FNL NESW		8. FARM OR LEASE NAME Harmston
14. PERMIT NO.		9. WELL NO. 1-32A1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) KB 5343'		10. FIELD AND POOL, OR WILDCAT Bluebell
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T1S, R1W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

RECEIVED

AUG 6 1984

DIVISION OF OIL
GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

It is proposed to clean out and acidize this well per attached procedure.

June 1984: ± 20 BOPD ± 50 BWPD

3 - State
3 - Partners
3 - BLM
1 - S.724C
1 - Field
1 - File

No additional surface
disturbances required
for this activity.

18. I hereby certify that the foregoing is true and correct

SIGNED

Arlene F. BushTITLE Engineering AssistantDATE 7/30/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

HARMSTON 1-32A1
SECTION 32, T1S, R1W
DUCHESNE COUNTY, UTAH
JULY 2, 1984

WELL DATA:

Completed: 10/73 Wasatch Formation
Recompleted: 8/82 Green River Formation
TD: 13,000'
PBD: 9,440' (CIBP @ 9450', capped w/10' cmt)
Casing: 9-5/8", K-55, 36# @ 2500'
7", RS-95, 26# @ 10,508'
5", S-95, 18#, Top @ 10,315', Btm @ 13,000'
Tubing: 2-7/8", N-80 landed in pump cavity @ 9,243'
1 1/2", N-80 stung into pump cavity @ 9,151'
Pump: National Hydraulic, BHA type "D"
Packer: Baker Model "D" @ 9,250'

PERFORATIONS: Wasatch

10/8/73 11,221'-12,661' (49 levels, 98 holes)
6/13/74 11,549'-12,859' (68 levels, 68 holes)
6/18/75 12,185'-12,681' (24 levels, 24 holes)
7/7/79 10,650'-12,799' (111 levels, 222 holes)
8/11/82 10,650'-12,859' Cmt squeezed w/200 sxs class "G" cmt

Green River

8/12/82 10,084'-10,464' (130 levels, 260 holes) w/csg guns
8/14/82 9,676'-9,810' (23 levels, 46 holes) w/csg guns
10/23/82 10,182'-10,232' (50 levels, 200 holes) w/2" thru tbg guns
6/21/83 9,436'-9,923' (16 levels, 64 holes) w/4" csg guns
6/24/83 9,310'-9,384' (29 levels, 116 holes) w/4" csg guns
7/19/83 Isolate perfs 9,445'-10,464'. Set CIBP @ 9,450' and capped w/10' cmt.

HARMSTON 1-32A1
SECTION 32, T1S, R1W
DUCHESNE COUNTY, UTAH
JULY 2, 1984

PROCEDURE:

1. Circulate out National hydraulic pump.
2. MIRU, kill well. Hot water well as necessary.
3. ND wellhead, NU Chevron Class II BOPE and test.
4. POOH and laydown 1½" tbg. Release from Baker model "D" pkr.
POOH w/2-7/8" tbg and BHA. Notify Denver Production Dept. if scale is found.
5. Mill out Baker model "D" perm. pkr @ 9250'.
6. Clean out to PBTD @ 9440'.
- 6.A. *MAKE BIT - SCRAPER RUN TO PBTD*
7. RIH w/retrievable pkr, hydrotesting tbg to 8000 psi, and set above top perf @ 9310'.
8. Acidize perforated interval 9310'-9348' w/4500 gal 15% HCl containing 2 gal/M surfactant, 2 gal/M clay stabilizer, 3 gal/M non-emulsifier, 4 gal/M corrosion inhibitor, 10 gal/M iron chelating agent and 10 gal/M Treatolite SP-237 scale inhibitor.

Pump Schedule: A. 1000 gal acid.
B. 1500 gal acid w/100 ball sealers
C. 2000 gal acid.
D. Flush to btm perf w/clean Green River Fm. water.

9. Flow/swab until an inflow rate is established. Collect oil and water samples and send to Denver Geology.
10. Release pkr and POOH.

If commercial rates have been obtained proceed to step 19. If commercial rates have not been obtained proceed to step 11.

11. Perforate the following intervals w/4" csg guns, 2 SPF @ 90° phasing.
Depths are from Schlumberger CNL dated 9/7/73.

9060'-9072'	12'
9086'-9096'	10'
9106'-9136'	30'
9190'-9204'	14'
9238'-9242'	4'

12. Isolate above perforations w/RBP and pkr, hydrotest tbg to 8000 psi. Acidize w/10,000 gal 15% HCl containing same additives as in Step 8.

Pump Schedule: A. 2000 gal acid.
B. 1000 gal acid w/75 ball sealers.
C. 2500 gal acid.
D. 1500 gal acid w/75 ball sealers.
E. 3000 gal acid
F. Flush to btm perf w/clean Green River fm. water.

HARMSTON 1-32A1
SECTION 32, T1S, R1W
DUCHESNE COUNTY, UTAH
JULY 2, 1984

Procedure: cont'd

13. Flow/swab until an inflow rate is established. Collect oil and water samples and send to Denver Geology.

14. POOH w/RBP and pkr.

If commercial rates have been obtained proceed to step 19. If commercial rates have not been obtained proceed to step 15.

15. Perforate the following intervals w/4" csg guns, 2 spf @ 90° phasing. Depths are from Schlumberger CNL dated 9/7/73.

8716'-8732'	16'
8660'-8668'	8'
8650'-8624'	26'
8616'-8598'	18'
8584'-8580'	4'
	<u>72'</u>

16. Isolate above perforations w/RBP and pkr, hydrotest tbg to 8000 psi. Acidize w/10,000 gal 15% HCl containing same additives as in Step 8.

Pump Schedule:

- A. 2000 gal acid.
- B. 1000 gal acid w/75 ball sealers.
- C. 2500 gal acid.
- D. 1500 gal acid w/75 ball sealers.
- E. 3000 gal acid.
- F. Flush to btm perf w/clean Green River fm. water.

17. Flow/swab until an inflow rate is established. Collect oil and water samples and send to Denver Geology.

18. POOH w/RBP & pkr.

19. RIH and set Baker Model D pkr ±50' above top perf.

20. RIH w/National hydraulic pump system w/Type "D" BHA. Hydrotest tbg to 5000 psi.

21. ND Chevron Class II BOPE, NU wellhead.

22. RD WOR.

McElroy
7/10/24

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented CA 96-93	
2. NAME OF OPERATOR Chevron U.S.A. Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 599, Denver, CO 80201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2215' FSL & 1826' FNL NESW		8. FARM OR LEASE NAME Harmston	
14. PERMIT NO.		9. WELL NO. 1-32A1	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) KB 5343'		10. FIELD AND POOL, OR WILDCAT Bluebell	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T1S, R1W	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☒
☐

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐
☐
☒

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Well was cleaned out, perforated and acidized as follows:

- MIR & RU. ND tree. NU BOPE.
- POOH w/ tubing.
- RIH w/ mill, milled on packer, POOH w/ packer remains.
- RIH w/ bit and casing scraper, made 2 passes over perfs.
- RIH w/ CIBP and set at 9200'. New PBTD at 9190'.
- Acidized, perforated and acidized. See attachments.
- RIH w/ mod "D" packer and set at 8535'.
- RIH w/ 2-7/8" tubing, hydrotested to 5000 psi.
- RIH w/ 1 1/2" tubing, hydrotested to 5000 psi.
- RD BOPE. NU tree. Rel. Rig.
- MIR & RU.
- POOH w/ production string.
- RIH and milled mod "D" packer.
- Milled on CIBP, pushed remainder to 9420'.
- RIH w/ bit and casing scraper to 9420'.
- Perforated interval 9188-9204' w/ 2 shots/ft. See attachment.
- RIH w/ RBP, set at 9256'. Set packer at 9160'.
- Acidized perfs 9188-9204. See attachment.
- RIH and set packer at 8995'. Landed tubing.

- State
- BLM
- GDE
- Ute Tribe
- Sec. 724C
- LJT
- File

No additional surface
disturbances required
for this activity.

18. I hereby certify that the foregoing is true and correct

SIGNED

J. Johnson

TITLE Engineering Assistant

DATE Dec. 7, 1984

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Harmston 1-32A1 (Continued)

- 20. RIH w/ 1½" tubing.
- 21. ND BOPE. NU tree.
- 22. Turned well over to production.

Work done August 24, to November 14, 1984.

WELL NAME: Harmston 1-32A1

FIELD: Bluebell

COMPLETED PERFORATING PROCEDURE

1. Depth, number and size of shots (or depths of rips):

9060 - 9072 2 shots/ft.

9086 - 9096 2 shots/ft.

8586 - 8616 2 shots/ft.

8624 - 8646 2 shots/ft.

8656 - 8666 2 shots/ft.

9188 - 9204 2 shots/ft.

2. Company doing work: Oil Well Perforations

3. Date of work: September 1, 5, 1984; November 5, 1984

4. Additional surface disturbances: None

5. Production after work:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
9/10-17/84	0		0
11/18-25/84	12		21
11/26-28/84	17		0

3/18/85
1400 hrs.

Chevron

Terry Hadlock

(801) 353-4397

Spill report

Harmston Battery Tank No. 5

Sec 32, T15, R1W, Duchesne Co.

Occurred 3/17/85 approx. 5 pm.

150 bbl. oil, 50 bbl. water

No fluid reached a stream.

Will be cleaned up by tomorrow
afternoon.



Chevron U.S.A. Inc.

700 South Colorado Blvd., P. O. Box 599, Denver, CO 80201

March 18, 1985

RECEIVED

MAR 22 1985

**DIVISION OF OIL
GAS & MINING**

R. H. Elliott
Area Superintendent

State of Utah Department of Natural Resources
Division of Oil, Gas, and Mining
355 West North Temple
3 Traid Center, Ste. 350
Salt Lake City, UT 84180-1203

Attention Mr. John Baza

Gentlemen:

The attached spill report will confirm our recent telephone report to your office of a spill of 150 barrels of crude oil and 50 barrels of produced water from storage tank No. 5 at the Harmston Battery in Bluebell Field located in Duchesne County, Utah, on March 17, 1985, at 5:00 p.m.

It is expected 100 barrels of crude oil will be recovered. All of the produced water soaked into the ground. No spilled material reached any navigable stream bed or tributary.

Very truly yours,

for *M. H. Elliott*
R. H. Elliott

MLS:pt
Attachment

cc: Mr. O. M. Paschke

REPORT OF UNDESIRABLE EVENT

RECEIVED

NTL-3A (EFFECTIVE MARCH 1, 1979)

MAR 20 1985

To: District Manager, B.L.M., Fluid Minerals
From: Chevron U.S.A. Inc., P. O. Box 599, Denver, Colorado 80201

DIVISION OF OIL
GAS & MINING

1. Spill ☒ Discharge _____ Blowout _____ Accident _____ Fire or Explosion _____
2. BBLs Discharged: 200 BBLs Lost: 50
3. Contained on location: Yes _____ No ☒
4. Date and time of event: 3-17-85 5:00 PM
5. Date and time reported to B.L.M.: 3-18-85, 12:40 PM
6. Location of event: HARMSTON BIRY. SEC. 32, R1W, T1S, NE 1/4 SW 1/4
Duchesne County, Utah
7. Specific nature and cause of event Recycle line was unhooked from Tank #2 facilitate work on tank no oil flowed from line @ time apparently line was plugged with set up crude which broke loose later and oil flowed from line on Tank 5
8. Describe resultant damage: some property damage to field north of Battery oil ran 150 yards north and east, oil is set up will be picked up by shovel. no oil reached any streams or navigable water
9. Time required for control of event: none
10. Action taken to control and contain: closed recycle valve on Tank #5
11. Action taken to prevent recurrence: all recycle valves @ Battery were closed and sealed
12. Cause of death:
- *13. Other agencies notified: E.P.A. Julie Mahoney 3-18-85 12:39 PM
B.L.M. Alan McKee 3-18-85 12:40 PM
UT. Dept. of Health Steve McNeal - 3-18-85 12:43 PM
UT. Dept. of Nat. Res. John Baza 3-18-85 2:00 PM
UT. Div. of Wildlife John Whiting 3-18-85 12:55 PM
14. Other pertinent information: Chevron Denver. M L Swetnam 3-18-85 2:00 PM

Signature

R J Hadlock

Date

3-18-85

Title

Relief Assistant Foreman

* A COPY OF THIS FORM WAS MAILED TO EACH AGENCY LISTED IN PARAGRAPH 13 ABOVE.

SPILL REPORT TO REGULATORY AGENCIES
CHEVRON U.S.A. INC., CENTRAL REGION
P.O. BOX 599
DENVER, CO 80201

Field/Facility: Storage tank No. 5 at Harmston Battery in Bluebell Field

Location: Township 1S Range 1W Section 32 QTR/QTR NESW

County: Duchesne

State: Utah

Date of Spill/Time: March 17, 1985 at 5:00 p.m.

Fluid Spilled: Oil 150 Bbls, ^{Produced} Water 50 Bbls, Other 0 Bbls

Fluid Recovered: Oil 100 Bbls, Water 0 Bbls, Other 0 Bbls

Agencies Notified/Date/Time: Telphoned by T. J. Hadlock:

- EPA, Region VIII, Denver (Julie Mahoney) 3/18/85, 12:30 p.m.
- BLM, Fluid Minerals, Vernal (Alan McKee) 3/18/85, 12:40 p.m.
- Utah Dept of Health-Water Poll. C. (Steve McNeal) 3/18/85, 12:45 p.m.
- Utah Dept. of Natural Resources (John Baza) 3/18/85, 1:00 p.m.
- Utah Division of Wildlife (John Whiting) 3/18/85, 12:55 p.m.

How spill occurred:

Apparently oil which set up in line to the recycle tank No. 2 prevented leakage, even though line had been taken apart. When crude oil warmed up it began to leak and spilled 150 barrels of crude oil and 50 barrels of produced water on the ground and in the pipe trenches and ran approximately 150 yards into an adjacent field. No spilled material reached any navigable stream bed or tributary.

Control and cleanup methods used:

Shut off flow. We are heating oil with hot oil truck and vacuuming up what we can and will pick up some with shovels and thus reclaiming the crude oil. It is expected 100 barrels of crude will be recovered. All the spilled water soaked into the ground.

Estimated damage:

Land damage estimate - \$100. Clean-up cost estimated as \$1,500.

Action taken to prevent recurrence:

Caution all employees to be sure to close all necessary valves next time pipeline broken into or a section taken out.

Who to contact for further information:

Mr. T. J. Hadlock
Relief Assistant
Chevron U.S.A. Inc.
Bluebell Field
P. O. Box 266
Meola, UT 84073
(801) 353-4397

March 18, 1985
Date Report Prepared

Chevron U.S.A. Wells Sold to Proven Properties Inc.,
P.O. Box 2049, Houston, Texas 77252-2049, Effective
December 1, 1985

<u>Entity No.</u>	<u>Well Name</u>
05255	SP-H-U Tribal 2-24Z3
05256	SP-H-U Tribal 4-36Z3
05270	Owen Anderson 1-28A2
05275	Black Jack Ute 1-14-2D
05280	Blue Bench Ute 1
05285	Ute Tribal 1-6B2
05295	Campbell Ute St. 1-7B1
05300	Campbell Ute 1-12B2
05305	Cheney 1-33A2
05306	Cheney #2-33-A2
05320	Duchesne County Snider 1-9C4
05325	Duch Co 1-17C4
05330	Duch Co Tribal U 1
05335	Evans Ute 1-17B3
05336	Evans Ute #2-17-B3
05340	Fortune Ute Fed1-11C5
05345	Freston St 1-8B1
05350	Geritz Mur 1-6C4
05360	Hamblin 1-26A2
05361	Hamblin 2-26-A2
05370	J Robertsn Ute 1-1B1

<u>Entity No.</u>	<u>Well Name</u>
05375	Rachel Jensen 1-16C5
05385	John 1-3B2
05387	John 2-3-B2
05390	Verl Johnson 1
05400	Lamicq 1-20A2
05405	J Lamicq St. 1-6B-1
05410	L Rbrtsn St 1-1B2
05412	Lamicq-Robertson State #2-1-B2
05415	Lamicq Ute 1-5B2
05425	McElprang 1-31A1
05430	Marguerite Ute 1-8B2
05435	May Ute Fed 1-13B1
05440	Moon Tribal 1-30C4
05450	Mortensen 1-32A2
05452	Mortensen 2-32-A2
05455	Phillips Ute 1-3C5
05460	Reese Estate 1-10B2
05465	Robertson 1-29A2
05470	Robertson Ute 1-2-B2
05472	Robertson Ute 2-2-B2
05475	Rbrtsn Ute St 1-12B1
05480	Saleratus W/U 1-7C5
05485	Shrine Hsptl 1-10C5
05490	Smith Albert 1-8C5
05495	Smith Albert 2-8C5

<u>Entity No.</u>	<u>Well Name</u>
05500	Smith Broadhead 1-9C5
05505	Smith David Ute 1-6C5
05510	Smith Joseph 1-17C5
05515	Smith Ute 1-18C5
05520	St Lnd Brd Ute 1-35A1
05525	Taylor Maurel 1
05530	Todd USA St 1-2B1
05535	Tomlinson Fed 1
05540	Unta Ouray Trbl 1-1A3
05545	Urrutz 1-34A2
05550	Ut St Fed 1-24B1
05555	Ut St L/B 1-11B1
05560	Ute 1-2A3
05565	Ute 1-2C5
05575	Ute 1-4A3
05580	Ute 1-5C5
05585	Ute 1-10A3
05590	Ute 1-20Z2
05605	Ute Tribal 1-13B3
05610	Ute Tribal 1-21Z2
05620	Ute County 1-20C4
05645	Voda Jsphine 1-19C5
05650	Voda Jsphine 2-19C5
05655	Voda Ute 1-4C5
05665	Woodward Fed 1-21A2

<u>Entity No.</u>	<u>Well Name</u>
05666	Dillman 2-28A2
05675	C R Ames 1-23A4
05695	St U 1-7B1E
05700	Ute Tribal U 6-7B3
05705	Ute Tribal 1-6B3
05710	Lyn Timothy U 1-10B1
05715	Ute Tribal 9-4B1
05720	E Bennion U 1-25A4
05725	B Hartman U 1-31A3
05730	Ute Tribal 7-24A3
05735	Ute Tribal U 2-12A3
05740	L Boren U 1-24A2
05745	Lamicq-Urty U 3-17A2
05750	L Boren U-6-16A2
05755	L Boren U 3-15A2
05760	Virgil B Mecham U 1
05765	St Unit 2-35A2
05770 <i>1s 1w 32</i>	Harmston U 1-32A1 <i>430182000/212 V</i>
05775	WH Blanchard 2-3A2
05780	Walker V. Brown #1
05785	Ute Allotted U 1-36Z2
05790	T Horrocks 1-6A1
05795	Joseph Yack U 1-7A1
05800	Curtis Bastian 1-7A1
05805	Chsl-Fly-Dia 1-18A1

<u>Entity No.</u>	<u>Well Name</u>
05810	State 3-18A1
05815	R G Dye U-1-29A1
05820	Summerell E U 1-30A1
05825	L L Pack 1-33A1
05835	Mobilute Trbl 11-6A2
05836	Ute Tribal #2-7A2
05840	Doug Brown 1-4A2
05845	Lamicq-Urty U 4-5A2
05850	Mobil-Ute Trl 1-7A2
05855	Lamicq-Urty 2-A2
05860	Ut St U 1-10A2
05865	Sprgfld M/B/U 1-10A2
05870	L Boren U 2-11A2
05875	Norman Knd/ U 1-12A2
05876	Clyde Murray 1 (2-2C)
05877	Blanchard Fee 1-3A2
05878	Utah State 1
05880	Olsen U 1-12A2
05885	Fly/Dia 1 Boren 1 (2-14C)
05890	Ute Tribal 3-18A2
05895	Ute Tribal 4-19A2
05900	L Boren U 5-22A2
05905	L Boren U 4-23A2
05910	Ute Tribal 5-30A2
05915	Ute Allotted 2-18A3

<u>Entity No.</u>	<u>Well Name</u>
05920	P. Bckstd U 1-30A3
05925	Ute Tribal 10-13A4
05930	Karl Shisler U 1-3B1
05935	C. B. Hatch 1-5B1
05940	Norling St. U 1-9B1
05945	H.G. Coltharp 1-15B1
05950	George Murray 1-16B1
05960	E.H. Buzz U 1-11B2
05965	D.L. Galloway 1-14B2
05970	State Pickup 1-6B1E
05975	Mobil-Lami. Ur 1-8A2
09895	Rachel Jensen 2-16C5



Proven Properties Inc.

P.O. BOX 2049 • HOUSTON, TEXAS 77252-2049 • (713) 546-8780

KENNETH R. HUDDLESTON
President

January 13, 1986

RECEIVED
JAN 20 1986
DIVISION OF OIL
& GAS & MINING

Division of Oil, Gas and Mining
State of Utah
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Re: Change of Operator Bluebell-Altamont Fields,
Duchesne and Uintah Counties, Utah

Gentlemen:

Heretofore on December 26, 1985, Chevron U.S.A. Inc. advised you concerning properties sold by Chevron U.S.A. to Proven Properties, Inc. and informed you by telephone of change of operator with respect thereto.

This will confirm the advice given to you by Chevron U.S.A. Inc. Attached hereto is the same list of wells furnished to you by Chevron U.S.A. which is marked Exhibit "A" and by this reference made a part hereof. Proven Properties, Inc. is now the operator of the wells described in the attached schedule, however, Pennzoil Company will be operating said properties as agent for Proven Properties, Inc.

We will promptly report to you in writing any change of address and any termination of our operator's authority including any designation of a new operator. However, the designation of Proven Properties, Inc. as operator shall remain in full force and effect until and unless a new designation of operator is filed in accordance with the Utah statutes and the rules and regulations and rules of practice and procedure of the Division of Oil, Gas and Mining of the State of Utah.

If there are any additional reports or any additional information which you would wish to have, kindly call Kevin Cunningham at 713-546-8768.

Yours very truly,

PROVEN PROPERTIES, INC.

THE BOND IS UNDER THE PENNZOIL
NAME, AND THEREFORE PENNZOIL IS
SHOWN AS OPERATOR ON UDOGM
RECORDS.

John
6-25-86

By

Kenneth R. Huddleston
Kenneth R. Huddleston, President

FORM OGC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Chevron-Harmston #1-32A1

Operator Chevron Oil Company-Western Division

Address P. O. Box 599, Denver, Colorado 80201

Contractor _____

Address _____

Location NE 1/4, SW 1/4, Sec. 32, T. 1 N., R. 1 E., _____ County.
S W

Water Sands: Well drilled w/fluid. No data recorded on fresh water section.

	<u>Depth:</u>		<u>Volume:</u>		<u>Quality:</u>
	From -	To -	Flow Rate or Head -		Fresh or Salty -
1.	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____

(Continue on Reverse Side if Necessary)

Formation Tops:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

DOGM 56-64-2
an equal opportunity employer

Page 9 of 12

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ~~PENNZOIL EXPLOR & PROD CO~~ *A. Pennzoil Company*
P O BOX 2967, 25TH FL.
HOUSTON TX 77252 2967
ATTN: ~~WILBURN LUNA~~ *MARTIN WILSON*

Utah Account No. N2885

Report Period (Month/Year) 6 / 87

Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
HARMSTON U 1-32A1					
✓ 4301330224 05770 01S 01W 32	GRRV	3	262	383	0
✓ WH BLANCHARD 2-3A2					
✓ 4301330008 05775 01S 02W 3	GRRV	0	0	0	0
✓ VICTOR C BROWN 1-4A2					
✓ 4301330011 05780 01S 02W 4	GRRV	16	1334	5697	1136
✓ UTE ALOTTED U 1-36Z2					
✓ 4301330307 05785 01N 02W 36	WSTC	30	1379	732	1423
✓ T HORROCKS 1-6A1					
✓ 4301330390 05790 01S 01W 6	WSTC	0	0	0	0
✓ JOSEPH YACK U 1-7A1					
✓ 4301330018 05795 01S 01W 7	WSTC	30	1394	624	4748
✓ CURTIS BASTIAN FEE #1 (3-7D)					
✓ 4301330026 05800 01S 01W 7	GRRV	0	0	0	0
✓ CHSL-FLY-DIA 1-18A1					
✓ 4301330030 05805 01S 01W 18	GRRV	0	0	0	0
✓ STATE 3-18A1					
✓ 4301330369 05810 01S 01W 18	WSTC	30	9219	6853	3305
✓ RG DYE U 1-29A1					
✓ 4301330271 05815 01S 01W 29	GRRV	0	0	0	0
✓ SUMMARELL E U 1-30A1					
✓ 4301330250 05820 01S 01W 30	WSTC	30	420	768	1035
✓ L L PACK 1-33A1					
✓ 4301330261 05825 01S 01W 33	WSTC	3	16	967	0
✓ MOBILUTE TRBL 11-6A2					
✓ 4301330381 05835 01S 02W 6	WSTC	30	1312	149	26
TOTAL			15336	16173	11673

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date Aug 1, 1987

Martin Wilson
Authorized signature

Telephone 713-546-8104

PLEASE COMPLETE FORMS IN BLACK INK



PENNZOIL PLACE • P. O. BOX 2967 • HOUSTON, TEXAS 77252-2967 • (713) 546-4000

080603
RECEIVED

AUG 4 1987

DIVISION OF OIL
GAS & MINING

July 30, 1987

Utah Natural Resources
Division of Oil, Gas, & Mining
Attn: Tammy Searing
355 Triad Center, Suite #350
Salt Lake City, Utah 84180-1203

Ms. Searing:

This letter is to confirm our telephone conversation of July 30, 1987, regarding the name change from Pennzoil Exploration & Production Co. to Pennzoil Company.

Please change your records to reflect this name change effective August 1, 1987.

Your contact for drilling operations will continue to be Will Luna at our Neola office. The contact for the monthly production reports will be myself at our Houston address. All affected properties, except the drilling activity, are listed on the attached production report for June, 1987. The bonding is in the name of Pennzoil Company.

This is a change in name only, the company and personnel have remained the same. If you need additional information, please call me at (713)-546-8104.

Sincerely,

Martin Wilson
Onshore Accounting

mh/dcw

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

RECEIVED
JUN 13 1988

DIVISION OF
OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Pennzoil Company Utah Acct. # N0705		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2967 Houston, TX 77252-2967		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached List of Wells		8. FARM OR LEASE NAME See Attached List
14. API NUMBER		9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Bluebell/Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH Duchesne & Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Operator Name Change <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change of operator name from Pennzoil Company to Pennzoil Exploration & Production Company, effective June 1, 1988.

See Attached List of wells

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
TAS	
① - MICROFILM ✓	
3 - FILE ✓	

18. I hereby certify that the foregoing is true and correct

SIGNED George P. San Filippo TITLE Western Div. Production Mgr. DATE 6-9-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

FEE

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

CA9693 CA terminated 3-3-92

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other (specify)

9. Well Name and Number

HARMSTONE 1-32A1

2. Name of Operator

MEDALLION EXPLORATION

10. API Well Number

4301330224

3. Address of Operator

2091 E. 4800 S. #22 SLC, UTAH 84117

4. Telephone Number

801-277-0801

11. Field and Pool, or Wildcat

BLUEBELL

5. Location of Well

Footage : NESW, SEC. 32, T1S, R1W

County : DUCHESNE

QQ, Sec. T., R., M. :

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATORSHIP</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

• Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

EFFECTIVE MARCH 1, 1993, MEDALLION EXPLORATION WILL ASSUME RESPONSIBILITY AS THE OPERATOR OF THE REFERENCED WELL WITH FULL COMPLIANCE WITH THE FEDERAL GOVERNMENT REGULATIONS. MEDALLION WILL ALSO ADHERE TO THE TERMS OF COMMUNITIZATION AGREEMENT UNDER ITS STATEWIDE CASH BOND.

RECEIVED

MAR 29 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

A. MAJDI

Title OPERATIONS

Date 2/25/93

(State Use Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas well <input type="checkbox"/> Other	5. Lease Designation and Serial No. FEE
2. Name of Operator Pennzoil	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 290 Neola, Utah 84053 (801) 353-4397	7. If unit or CA, Agreement Designation CA terminated 3-3-92 -96-93
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2215' FSL AND 1826' FWL OF SECTION 32, T1S, R1W	8. Well Name and No. HARMSTON 1-32A1
	9. API Well No. 43 01330224
	10. Field and Pool, or Exploratory Area Bluebell-Wasatch
	11. County or Parish, State DUCHESNE, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other CHANGE OF OPERATORSHIP	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

PENNZOIL RETAINS OWNERSHIP OF THE COMMUNITIZATION AGREEMENT,

HOWEVER RESIGNS OPERATORSHIP OF SAID WELL.

14. I hereby certify that the foregoing is true and correct

Signed

DR. L. L. L. L.

Title

Petroleum Engineer

Date

MAR. 29, 1993

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

OPERATOR CHANGE PENNZOIL TO MEDALLION (3/1/93)
FEE WELLS

Well Name	API Number	Sec	Twp	Rng
MYRIN RANCH 1-13B4	43-013-30180	13	4W	2S
MEAGHER TRIBAL 1-09B2	43-013-30325	9	2S	2W
1-23B1	43-047-30751	23	2S	1W
REESE 2-10B2	43-013-30837	10	2S	2W
OWEN ANDERSON 1-28A2	43-013-30150	28	1S	2W
GERITZ MURPHY 1-6C4	43-013-30573	6	3S	4W
HAMBLIN 1-26A2	43-013-30083	26	1S	2W
J LAMICQ ST 1-6B-1	43-013-30210	6	2S	1W
MOON TRIBAL 1-30C4	43-013-30576	30	3S	4W
REESE ESTATE 1-10B2	43-013-30215	10	2S	2W
SMITH DAVID U 1-6C5	43-013-30163	6	3S	5W
URRUTY 1-34A2	43-013-30149	34	1S	2W
UTE COUNTY 1-20C4	43-013-30170	20	3S	4W
VODA JOSEPHINE 2-19C5	43-013-30553	19	3S	5W
VODA UTE 1-4C5	43-013-30283	4	3S	5W
ST U 1-7B1E	43-047-30180	7	2S	1E
HARMSTON U 1-32A1	43-013-30224	32	1S	1W
WH BLANCHARD 2-3A2	43-013-30008	3	1S	2W
JOSEPH YACK U 1-7A1	43-013-30018	7	1S	1W
CURTIS BASTIAN FEE 1	43-013-30026	7	1S	1W
RG DYE U 1-29A1	43-013-30271	29	1S	1W
SUMMARELL E U 1-30A1	43-013-30250	30	1S	1W
BLANCHARD FEE 1-3A2	43-013-20316	3	1S	2W
BECKSTEAD U 1-30A3	43-013-30070	30	1S	3W
E H BUZZI U 1-11B2	43-013-30248	11	2S	2W
STATE PICKUP 1-6B1E	43-047-30169	6	2S	1E
LAMICQ-URRUTY 1-8A2	43-013-30036	8	1S	2W



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 10, 1993

Mr. D. R. Lankford
Pennzoil Exploration and Production Company
P.O. Box 2967
Houston, Texas 77252-6998

Dear Mr. Lankford:

Re: Notification of Sale or Transfer of Lease Interest - Duchesne and Uintah Counties

The division has received notification of a change of operator from Pennzoil Exploration & Production Company to Medallion Exploration for the wells shown on the attached list, which are located on fee leases.

Rule R649-2-10, of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Pennzoil Exploration & Production Company of its responsibility to notify all individuals with an interest in these leases, and any other fee lease wells sold which may not be shown on this list, of the change of operator. Please provide written documentation of this notification to the division no later than June 1, 1993.

Sincerely,

Don Staley
Administrative Supervisor
Oil and Gas

ldc
Attachment
cc: R.J. Firth
WOI201



SUNDRY NOTICE OF NAME CHANGE
EXHIBIT A

ENTITY NUMBER	LEASE NAME	LEGAL DESC.	API #	REMARKS
5470	ROBERTSON UTE 1-2B2	2S 2W 2	4301330225	WSTC/GRV ✓
5472	ROBERTSON UTE 2-2B2	2S 2W 2	4301330921	
5475	ROBERTSON UTE ST 1-12B1	2S 1W 12	4304730164	
5480	SALERATUS WASH 1-7C5	3S 5W 7	4301330098	
5485	SHRINE HOSPITAL 1-10C5	3S 5W 10	4301330393	WSTC ✓
5490	ALBERT SMITH 1-8C5	3S 5W 8	4301330245	
5495	ALBERT SMITH 2-8C5	3S 5W 8	4301330543	
5500	SMITH BROADHEAD 1-9C5	3S 5W 9	4301330316	
5505	DAVID SMITH UTE 1-6C5	3S 5W 6	4301330163	
5510	JOSEPH SMITH 1-17C5	3S 5W 17	4301330188	WSTC ✓
5515	SMITH UTE 1-18C5	3S 5W 18	4301330142	WSTC ✓
5520	ST LANDBOARD 1-35A1	1S 1W 35	4304730182	
5525	MAUREL TAYLOR 1-36A2	1S 2W 36	4301330143	
5530	TODD USA ST 1-2B1	2S 1W 2	4304730167	
5535	TOMLINSON 1-25A2	2S 2W 25	4301330120	
5540	UINTAH OURAY 1-1A3	1S 3W 1	4301330132	
5545	URRUTY 1-34A2	1S 2W 34	4301330149	
5550	UTAH ST FEDERAL 1-24B1	2S 1W 24	4304730220	
5555	UT ST LANDBOARD 1-11B1	2S 1W 11	4304730171	
5560	UTE 1-2A3	1S 3W 2	4301330409	
5565	UTE 1-2C5	3S 5W 2	4301330392	
5575	UTE 1-4A3	1S 3W 4	4301330306	
5580	UTE 1-5C5	3S 5W 5	4301330260	
5585	UTE 1-10A3	1S 3W 10	4301330319	
5590	UTE 1-20Z2	1N 2W 20	4301330378	
5605	UTE TRIBAL 1-13B3	2S 3W 13	4301330251	
5610	UTE 1-21Z2	1N 2W 21	4301330148	
5620	UTE COUNTY 1-20C4	3S 4W 20	4301330170	
5645	JOSEPHINE VODA 1-19C5	3S 5W 19	4301330382	
5650	JOSEPHINE VODA 2-19C5	3S 5W 19	4301330553	WSTC ✓
5655	VODA UTE 1-4C5	3S 5W 4	4301330283	
5665	WOODWARD FED 1-21A2	1S 2W 21	4301330130	
5666	DILLMAN 2-28A2	1S 2W 28	4301330821	
5675	CR AMES 1-23A4	1S 4W 23	4301330375	
5680	FEDERAL 1-28	5S 19E 28	4304730175	
5685	FEDERAL 1-27	5S 19E 27	4304730181	WSTC ✓
5695	STATE 1-7B1E	2S 1E 7	4304730180	
5700	UTE TRIBAL 6-7B3	2S 3W 7	4301330211	
5705	UTE 1-6B3	2S 3W 6	4301330136	
5710	L. TIMOTHY 1-10B1	2S 1W 10	4301330287	WSTC ✓
5715	UTE TRIBAL 9-4B1	2S 1W 4	4301330194	WSTC ✓
5720	BENNION 1-25A4	1S 4W 25	4301330060	
5725	HARTMAN 1-31A3	1S 3W 31	4301330093	
5730	UTE TRIBAL 7-24A3	1S 3W 24	4301330203	
5735	UTE 2-12A3	1S 3W 12	4301330042	GRV ✓
5740	L. BOREN 1-24A2	1S 2W 24	4301330084	
5745	LAMICQ URRUTY 3-17A2	1S 2W 17	4301330099	
5750	L. BOREN 6-16A2	1S 2W 16	4301330123	
5755	L. BOREN 3-15A2	1S 2W 15	4301330086	
5760	VIRGIL MECHAM 1-11A2	1S 2W 11	4301330009	
5765	STATE 2-35A2	1S 2W 35	4301330156	
5770	HARMSTON 1-32A1	1S 1W 32	4301330224	WSTC ✓
5775	BLANCHARD 2-3A2	1S 2W 3	4301330008	

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LAC	7-LAC
2-DTS/S	
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator) MEDALLION EXPLORATION
(address) 2091 E 4800 S #22
SALT LAKE CITY UT 84117
JAKE HAROUNY
phone (801) 277-0801
account no. N 5050

FROM (former operator) PENNZOIL EXPLORATION & PROD
(address) PO BOX 2967 17TH FL
HOUSTON TX 77252-6998
phone (713) 546-6998
account no. N2885

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 3-20-93) (Rec'd 4-1-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-29-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (5-4-93)
- Sec 6. Cardex file has been updated for each well listed above. (5-5-93)
- Sec 7. Well file labels have been updated for each well listed above. (5-5-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (5-4-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
(Robert Edward Sutton/Fedsure U.S. Inc. 30,000)
2. A copy of this form has been placed in the new and former operators' bond files.
* Upon completion of routing.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date April 14, 1993. If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 5/10, 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILED

1. All attachments to this form have been microfilmed. Date: May 12, 1993.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

320414 Btm/s.f. Approved CA operator changes eff. 4-12-93.
30504 DOBm review. (Partial change only.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

3. Address and Telephone No.

P.O. Box 290 Neola, Utah 84053 (801) 353-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2215' FSL AND 1826' FWL OF SECTION 32, T1S, R1W

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

96 93

8. Well Name and No.

HARMSTON 1-32A1

9. API Well No.

43 01330224

10. Field and Pool, or Exploratory Area

Bluebell-Wasatch

11. County or Parish, State

DUCHESNE, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing repair
☐ Altering Casing
☒ Other CHANGE OF OPERATORSHIP
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

PENNZOIL RETAINS OWNERSHIP OF THE COMMUNITIZATION AGREEMENT,
HOWEVER RESIGNS OPERATORSHIP OF SAID WELL.

RECEIVED

JUL 06 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed DR. L. L. L. L.

Title Petroleum Engineer

Date MAR. 29, 1993

(This space of Federal or State office use)

Approved by

ACCEPTED

Title

Date MAY 11 1993

Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 4 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

CHRISTY A WARBY
MEDALLION EXPLORATION
6975 UNION PARK CTR #310
MIDVALE UT 84047

UTAH ACCOUNT NUMBER: N5050

REPORT PERIOD (MONTH/YEAR): 9 / 96

AMENDED REPORT ☐ (Highlight Changes)

Well Name	API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
							OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 1-28	4304730175	05680	05S 19E 28	GRRV			40143512	Nm-827	
FEDERAL 1-27	4304730181	05685	05S 19E 27	GRRV			4014351	Nm-867	
STATE 1-7B1E	4304730180	05695	02S 01E 7	GR-WS			Fee		
HARMSTON 1-32A1	4301330224	05770	01S 01W 32	GR-WS			Fee		
WH BLANCHARD 2-3A2	4301330008	05775	01S 02W 3	GR-WS			Fee		
JOSEPH YACK U 1-7A1	4301330018	05795	01S 01W 7	GR-WS			Fee	96-000057	
RTIS BASTIAN 1(3-7D) RE-ENTRY	4301330026	05800	01S 01W 7	GR-WS			Fee	96-000057	
RG DYE U 1-29A1	4301330271	05815	01S 01W 29	GR-WS			Fee	96-000109	(Flying 0066)
BLANCHARD FEE 1-3A2	4301320316	05877	01S 02W 3	GR-WS			Fee		
P. BECKSTEAD U 1-30A3	4301330070	05920	01S 03W 30	GR-WS			Fee		
KE H BUZZI U 1-11B2	4301330248	05960	02S 02W 11	GR-WS			Fee		
STATE PICKUP 1-6B1E	4304730169	05970	02S 01E 6	GR-WS			Fee		
UTE TRIBAL E-1	4301330068	08400	03S 06W 12	GR-WS			142011622463		
TOTALS									

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Medallion Exploration

3. Address and Telephone Number:

6975 Union Park Center, #310 Midvale, Ut 84047

4. Location of Well

Footages:

QQ, Sec., T., R., M.:

2,215' FSL & 1,826' FWL

NE 1/4, Sec. 32, T15, R1W

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

HARVESTON 1-32A1

9. API Well Number:

4301330224

10. Field and Pool, or Wildcat:

BLUEBELL

County:

Duchesne

State:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

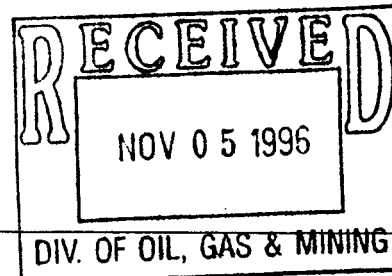
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective November 1, 1996, Medallion Exploration will relinquish the operatorship of the referenced well to the Barrett Resources Corp.



13.

Name & Signature: _____

Title: Operations

Date: 10/1/96

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

1. Type of Well: OIL ☒ GAS ☐ OTHER:

8. Well Name and Number:

Harmston 1-32A1

2. Name of Operator:

Barrett Resources Corporation

9. API Well Number:

43-013-30224

3. Address and Telephone Number:

1515 Arapahoe St., Tower 3, #1000, Denver, CO. 80202 (303) 572-3900

10. Field and Pool, or Wildcat:

Bluebell

4. Location of Well

Footages: 2215' FSL 1826' FWL

County: Duchesne

OO, Sec., T., R., M.: NESW 32-1S-1W

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator.</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective November 1, 1996, Barrett Resources Corporation took over operations of the above well from Medallion Exploration.

13.

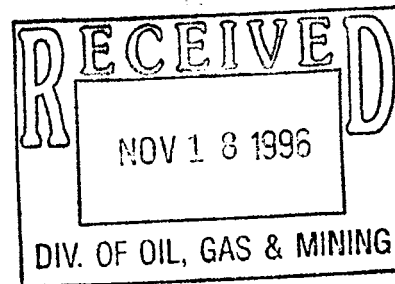
Name & Signature: _____

Joseph P. Barrett
Vice President - Land

Title: _____

Date: 11-1-96

(This space for State use only)





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 18, 1996

Mr. Jake Harouny
Medallion Exploration
6975 Union Park Ctr. #310
Midvale, Utah 84047

Re: Notification of Sale or Transfer of Fee Lease Interest

The division has received notification of a change of operator from Medallion Exploration to Barrett Resources Corporation for the following wells which are located on fee leases:

<u>Well Name</u>	<u>Location</u>	<u>API Number</u>
1-5C4	5-3S-4W	43-013-30532
1-23B1	23-2S-1W	43-047-30751
Reese 2-10B2	10-2S-2W	43-013-30837
Fee 2-20C5	20-3S-5W	43-013-30550
Ute Tribal 1-10B1E	10-2S-1E	43-047-30881
Owen Anderson 1-28A2	28-1S-2W	43-013-30150
Geritz Murphy 1-6C4	6-3S-4W	43-013-30573
Hamblin 1-26A2	26-1S-2W	43-013-30083
J Lamicq State 1-6B-1	6-2S-1W	43-013-30210
Reese Estate 1-10B2	10-2S-2W	43-013-30215
Urruty 1-34A2	34-1S-2W	43-013-30149
Ute County 1-20C4	20-3S-4W	43-013-30170
Voda Josephine 2-19C5	19-3S-5W	43-013-30553
Voda Ute 1-4C5	4-3S-5W	43-013-30283
State 1-7B1E	7-2S-1E	43-047-30180
Harmston U 1-32A1	32-1S-1W	43-013-30224
WH Blanchard 2-3A2	3-1S-2W	43-013-30008
Blanchard Fee 1-3A2	3-1S-2W	43-013-20316
P Beckstead U 1-30A3	30-1S-3W	43-013-30070
E H Buzzzi U 1-11B2	11-2S-2W	43-013-30248
State Pickup 1-6B1E	6-2S-1E	43-047-30169
Lamicq-Urruty 1-8A2	8-1S-2W	43-013-30036
Horrocks 2-5B1E	5-2S-1E	43-047-32409



Page 2

Mr. Jake Harouny
Notification of Sale
December 18, 1996

Utah Administrative Rule R649-2-10 states:

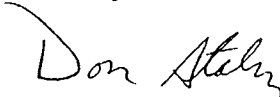
The owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Medallion Exploration of its responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the change of operator. Please provide written documentation of this notification to:

Utah Royalty Owners Association
Box 1292
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,



Don Staley
Administrative Manager
Oil and Gas

cc: Barrett Resources Corporation
Utah Royalty Owners Association
R.J. Firth
Operator File

OPERATOR CHANGE WORKSHEET

Routing

1-LEC	6-DEC
2-GLH	7-KDR
3-DTS	8-SJ
4-VLD	9-FILE
5-RJF	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 11-01-96

TO: (new operator) BARRETT RESOURCES CORP
(address) 1515 ARAPAHOE ST T3 #1000
DENVER CO 80202
JOSEPH BARRETT
Phone: (303) 606-4259
Account no. N9305

FROM: (old operator) MEDALLION EXPLORATION
(address) 6975 UNION PARK CTR #310
MIDVALE UT 84047
JAKE HAROUNY
Phone: (801) 566-7400
Account no. N5050

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>013-30224</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (Rec'd 11-5-96)
- 2 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Rec'd 11-18-96)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- N/A 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (11-20-96)
- 1 6. Cardex file has been updated for each well listed above. (11-20-96)
- 1 7. Well file labels have been updated for each well listed above. (11-20-96)
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (11-20-96)
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) Surety # 5865241 (\$80,000) Selco Ins. Co. of America

- Yes 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Yes 2. A copy of this form has been placed in the new and former operator's bond files.
- Yes 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date Nov. 19, 1996. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- ____ 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- Yes per RC 49-2-10 - former operator notified of responsibility to notify 12/18/96 all parties with an interest in the fee leases of the change of operator. By letter dated 12-18-96.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 1-7-97.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

9/6/11/19 Fee (Non C.A.) wells only!

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER: _____

2. Name of Operator:
Barrett Resources Corporation

3. Address and Telephone Number: (303) 572-3900
1515 Arapahoe St., Tower 3, Ste #1000 Denver, CO 80202

4. Location of Well

Footages:

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

43-013-30224

10. Field and Pool, or Wildcat:

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |
| of Shut-In Wells. | |

Date of work completion _____

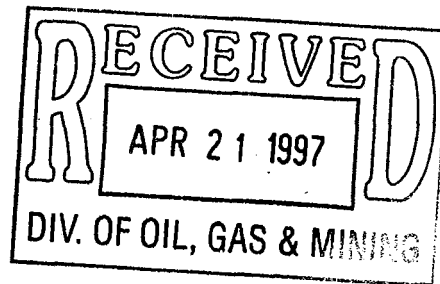
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Per Greg Davis, this well will be P&A'd in the future. KDR 4/22/97

See Attached List



13.

Name & Signature:

Greg Davis

Greg Davis

Production

Title: Services Supvr.

Date: 4/18/97

(This space for State use only)

BARRETT RESOURCES CORPORATION
UTAH ANNUAL STATUS REPORT OF SHUT-IN WELLS 1996

WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL
BROTHERSON 2-23B4	NWNE 34-2S-4W	43-013-30857	Oct-93	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE TRIBAL 2-21G	NWNE 21-5S-4W	43-013-31313	Never	Uneconomic to produce.	Currently performing production test.
CEDAR RIM 2	SWNE 20-3S-6W	43-013-30019	Aug-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
CEDAR RIM 12	SWNE 28-3S-6W	43-013-30344	Oct-89	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
CEDAR RIM 14	SWNE10-3S-6W	43-013-30345	Sep-86	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
CEDAR RIM 21	SESE 10-3S-6W	43-013-31169	Oct-91	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
2X-25C7	NESW 25-3S-7W	43-013-31083	Oct-92	Uneconomic to produce.	P&A
2X-23C7	NENE 23-3S-7W	43-013-31073	Sep-88	Uneconomic to produce.	P&A
YACK 1-7A1	NESW 7-1S-1W	43-013-30018	Nov-95	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
DYE 1-29A1	NWSE 29-1S-1W	43-013-30271	Apr-85	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
SUMMERAL EST. 1-30A1	NWSE 30-1S-1W	43-013-30250	Sep-91	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
HARMSTON 1-32A1	NESW 32-1S-1W	43-013-30224	Mar-92	Uneconomic to produce.	P&A
BLANCHARD 1-3A2	NWSE 3-1S-2W	43-013-20316	Feb-93	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
BLANCHARD 2-3A2	SESW 3-1S-2W	43-013-30008	Feb-93	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
L URRUTY 1-8A2	NWSW 8-1S-2W	43-013-30036	Jul-91	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
HAMBLIN 1-26A2	NESW 26-1S-2W	43-013-30083	Dec-87	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
ANDERSON 1-28A2	NWSE 28-1S-2W	43-013-30150	Prior to Jan-84	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
URRUTY 1-34A2	SWNE 34-1S-2W	43-013-30149	Prior to Jan-84	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE 1-10A3	SESW 10-1S-3W	43-013-30319	Aug-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
BECKSTEAD 1-30A3	SWNE 30-1S-3W	43-013-30070	Feb-93	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
STATE 1-6B1E	NWSE 6-2S-1E	43-047-30169	Dec-94	Casing problems.	P&A
UTE 9-4B1	SESW 4-2S-1W	43-013-30194	Apr-91	Uneconomic to produce.	Recompleted in 4/97.
ROBERTSON UTE 1-2B2	NESW 2-2S-2W	43-013-30225	Jul-88	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
MARGUERITE 1-8B2	NWSE 8-2S-2W	43-013-30235	Jul-87	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
REESE 1-10B2	SESW 10-2S-2W	43-013-30215	Aug-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
BUZZI 1-11B2	SESW11-2S-2W	43-013-30248	Oct-92	Uneconomic to produce.	P&A
MYRIN RANCH 1-13B4	NENE13-2S-4W	43-013-30180	May-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE TRIBAL 1-5C4	SENE 5-3S-4W	43-013-30532	Aug-94	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE 1-20C4	NWNE 20-3S-4W	43-013-30170	Prior to Jan-84	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE 1-2C5	NWNW 2-3S-5W	43-013-30392	Sep-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE 1-5C5	NWNE 5-3S-5W	43-013-30260	Prior to Jan-84	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
SMITH 1-6C5	NWNE 6-3S-5W	43-013-30163	Apr-92	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE TRIBAL 1-3C6	SWSE 3-3S-6W	43-013-30415	Sep-93	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
UTE TRIBAL E-2	SWSW 12-3S-6W	43-013-30500	Mar-95	Uneconomic to produce.	Recompleted in 4/97.
UTE TRIBAL 1-25C6	SWNE 25-3S-6W	43-013-30417	Sep-94	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
FEE 1-10B1E	SESW 10-2S-1E	43-047-30881	May-89	Uneconomic to produce.	Recently acquired. Evaluating recompletion potential.
SPRING HOLLOW 4-36Z3	NESW 36-1N-3W	43-013-30398	Feb-84	Uneconomic to produce.	P&A
SPRING HOLLOW 2-34Z3	NESW 34-1N-3W	43-013-30234	Feb-92	Uneconomic to produce.	P&A
UTE TRIBAL K-1	NWSE 1-3S-6W	43-013-30280	Jul-88	Uneconomic to produce.	Recompleted in 2/97.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, Utah 84078-2799

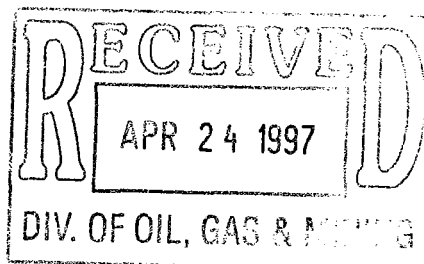
Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:

3100I

UT08438

Barrett Resources Corp.
P.O. Box 158
Roosevelt, UT 84066



APR 17 1997

Re: Changes in Operator

Gentlemen:

Please find enclosed five (5) sundry notices from either Pennzoil Company or Medallion Exploration informing our office that Barrett Exploration has become the operator of the following wells:

43-013-30390/50W
Horrocks #1-6A1
SENE 6-1S-1W
Duchesne County, Utah

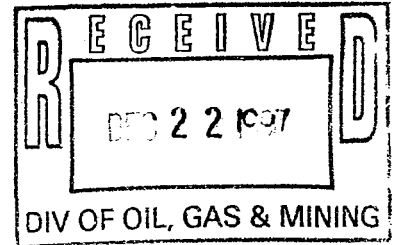
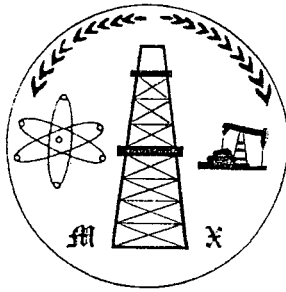
43-013-30333/50W
Phillips Ute #1-3C5
NENE 3-3S-5W
Duchesne County, Utah

→ 43-013-30224/50W
Harmston #1-32A1
NENE 32-1S-1W
Duchesne County, Utah

*43-013-30834/POW (Resumed prod. 1/97)
Cadillac #3-6A1
SWSE 6-1S-1W
Duchesne County, Utah
43-013-30170/50W
Well #1-20C4
C-NE 20-3S-4W
Duchesne County, Utah

We are returning the sundry notices as NOTED as (1) all of the above wells are located upon fee/patented mineral estate, (2) even though Indian mineral estate is within the drilling unit associated with each of the above wells, the communitization agreements have been terminated due to non-production, and (3) we have been informed by the State of Utah Division of Oil, Gas, and Mining that they have recognized Barrett Resources as the operator of these wells.

Please be appraised that our office will continue to monitor production records available to us to determine whether or not the above wells have been returned back to production. If production is resumed, you will be responsible for submitting a communitization agreement for approval which will establish the royalty distribution within the drilling unit involving the



Medallion Exploration

December 17, 1997

Don Staley
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, Utah

Re: Notification of Sale or Transfer of Fee Lease Interest

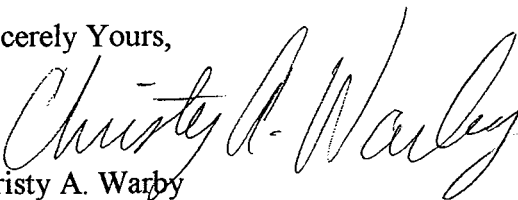
Dear Mr. Staley,

I am writing in response to your letter dated December 5, 1997 informing Medallion of Utah Administrative Rule R649-2-10.

Medallion is in compliance with this regulation. The enclosed notification was sent to all individuals with an interest in the leases Medallion sold to Barrett Resources (see enclosure 2). This notice was sent with both the September and October 1996 revenues and closing statements. Medallion has cancelled checks proving the notices were received.

Should you have any further concerns with this matter or require additional information, please contact me at the address below.

Sincerely Yours,


Christy A. Warby
Administrative Assistant

2 encl.

Attention Interest Owner:

Encl. 1

Medallion Exploration has sold all wellbores/leases for which you have interest in to Barrett Resources in Denver, Colorado. Medallion will be responsible for all revenues through October 31, 1996 and 1996 tax schedules (federal 1069 and Utah State 675R).

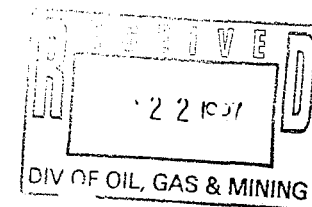
Any questions regarding October revenue or 1996 tax schedules should be directed to Christy at the Medallion Salt Lake office (801) 566-7400. Any questions regarding the sale should be directed to Barrett Resources at (303) 572-3900.

Thank You.

WELL NAME	SEC.	TWNSHIP.	RANGE	QQ
UTE 1-20Z2 *	20	1N	2W	NWSE
UTE 1-21Z2 *	21	1N	2W	NESW
YACK 1-7A1 *	7	1S	1W	NESW
BASTIAN #1(3-7D) *	7	1S	1W	SWNE
DYE 1-29A1 *	29	1S	1W	NWSE
S. ESTATE 1-30A1 *	30	1S	1W	NWSE
HARMSTON 1-32A1 *	32	1S	1W	NESW
BLANCHARD 1-3A2 *	3	1S	2W	NWSE
BLANCHARD 2-3A2 *	3	1S	2W	SESW
L. URRUTY 1-8A2 *	8	1S	2W	NWSW
HAMBLIN 1-26A2 *	26	1S	2W	NESW
ANDERSON 1-28A2 *	28	1S	2W	NWSE
URRUTY 1-34A2	34	1S	2W	SWNE
UINTA OURAY 1-1A3	1	1S	1W	NWSE
UTE 1-2A3	2	1S	1W	NWSE
UTE 1-10A3 *	10	1S	3W	C-NE
BECKSTEAD 1-30A3 *	30	1S	3W	SWNE
UTE TRIBAL P-1	3	2S	1E	SWNE
WINN P2-3B1E	3	2S	1E	NWNW
ESTHER ARHI 1-5B1E	5	2S	1E	NESW
HORROCK'S 2-5B1E	5	2S	1E	NWNW
STATE 1-6B1E *	6	2S	1E	NWSE
STATE 1-7B1E	7	2S	1E	NWSE
GARDNER B-1	9	2S	1E	NESW
UTE 9-4B1 *	4	2S	1W	SENW
LAMICQ 1-6B1 *	6	2S	1W	SENW
UTAH 1-11B1 *	11	2S	1W	NESW
JENKINS 1-23B1 *	23	2S	1W	SENW
UTAH FED. 1-24B1 *	24	2S	1W	NWSE
ROBTSN. UTE 1-2B2 *	2	2S	2W	NESW
MARGUERITE 1-8B2 *	8	2S	2W	NWSE
MEAGHER 1-9B2 *	9	2S	2W	SENW
REESE 1-10B2 *	10	2S	2W	SWNE
REESE 2-10B2 *	10	2S	2W	SENW
BUZZI 1-11B2 *	11	2S	2W	SENW
EVANS UTE 1-17B3 *	17	2S	3W	NWNE
M. RANCO 1-13B4 *	13	2S	4W	NENE

WELL NAME	SEC.	TWNSHIP.	RANGE	QQ
BROADHEAD 1-24B6	24	2S	6W	SWNE
UTE TRIBAL 1-34B6	34	2S	6W	SWSE
DUCHESNE 1-3C4	3	3S	4W	SENW
UTE TRIBAL 1-5C4	5	3S	4W	SENE
MURPHY 1-6C4 *	6	3S	4W	SWNE
UTE 1-20C4 *	20	3S	4W	C-NE
MOON TRIBAL 1-30C4 *	30	3S	4W	SESE
UTE 1-2C5 *	2	3S	5W	NWNW
VODA 1-4C5	4	3S	5W	NWNE
UTE 1-5C5	5	3S	5W	NWNE
SMITH 1-6C5 *	6	3S	5W	C-NE
FORTUNE UTE 1-11C5 *	11	3S	5W	SENW
VODA J 2-19C5	19	3S	5W	SESW
FEE 2-20C5	20	3S	5W	NESW
UTE TRIBAL 1-30C5	30	3S	5W	SWNE
UTE TRIBAL 2-2C6	2	3S	6W	SWSW
UTE TRIBAL 1-3C6	3	3S	6W	SWNE
UTE TRIBAL 2-3C6	3	3S	6W	NENW
UTE TRIBAL 1-4C6	4	3S	6W	NWSE
UTE TRIBAL 1-9C6	9	3S	6W	SWNE
UTE TRIBAL 2-9C6	9	3S	6W	SWSW
UTE TRIBAL 2-11C6	11	3S	6W	NESW
UTE TRIBAL E-1	12	3S	6W	SWNE
UTE TRIBAL E-2	12	3S	6W	SWSW
UTE TRIBAL F-1	13	3S	6W	NENE
UTE TRIBAL 2-13C6	13	3S	6W	NESW
UTE TRIBAL L-1	23	3S	6W	SWNE
UTE TRIBAL 2-23C6	23	3S	6W	NESW
UTE TRIBAL G-1	24	3S	6W	SWNE
UTE TRIBAL SWD #1	24	3S	6W	SWNE
UTE TRIBAL 1-25C6	25	3S	6W	SWNE
UTE TRIBAL 2-25C6	25	3S	6W	NESW
UTE TRIBAL 1-26C6	26	3S	6W	SWNE
UTE TRIBAL 1-35C6	35	3S	6W	SWNE
UTE TRIBAL 1-36C6	36	3S	6W	NENE
UTE TRIBAL 1-4D5	4	4S	5W	SENE
UTE TRIBAL 5-1	5	4S	5W	SENW

WELL NAME	SEC.	TWNSHIP.	RANGE	QQ
UTE TRIBAL 3-9	9	4S	5W	SENW
UTE TRIBAL 10-1	10	4S	5W	SENW
FED. 1-27E19E	27	5S	19E	SENE
FED. 1-28E19E	28	5S	19E	SWSW
NATHAN FEE	16	40S	22E	NENE



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

6. If Indian, Allocated or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

10. Field and Pool, or Wildcat:

1. Type of Well: OIL ☐ GAS ☐ OTHER:

2. Name of Operator:

Barrett Resources Corporation

3. Address and Telephone Number:

(303) 572-3900

1515 Arapahoe St., Tower 3, #1000, Denver, CO 80202

4. Location of Well

Footages:

OO, Sec., T., R., M.:

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |

☒ Other Annual Status Report
of shut-in Wells

Date of work completion _____

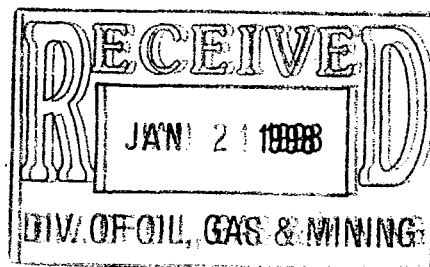
Approximate date work will start _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL.
COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See Attached List



13.

Name & Signature:

Greg Davis

Production

Title:

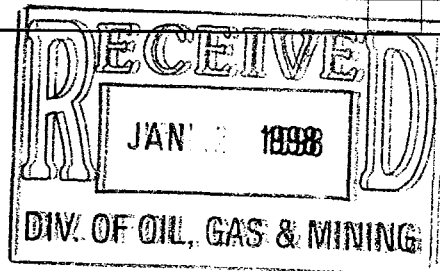
Services Supervisor

Date:

1/17/98

(This space for State use only)

BARRETT RESOURCES CORPORATION						
UTAH ANNUAL STATUS REPORT OF SHUT-IN WELLS 1997						
WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL	
FEE 1-10B1E	SENE 10-2S-1E	43-047-30881	May-89	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
2X-25C7	NESW 25-3S-7W	43-013-31083	?	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
MONADA GOV'T 3	NWNE 35-5S-19E	43-047-30095	?	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
ANDERSON 1-28A2	NWSE 28-1S-2W	43-013-30150	?	UNECONOMIC PRODUCTION	CANDIDATE FOR P&A LIST	
BECKSTEAD 1-30A3	SWNE 30-1S-3W	43-013-30070	Feb-93	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
BLANCHARD 1-3A2	NWSE 3-1S-2W	43-013-20316	Feb-93	UNECONOMIC PRODUCTION	CANDIDATE FOR P&A LIST	
BLANCHARD 2-3A2	SESW 3-1S-2W	43-013-30008	Feb-93	UNECONOMIC PRODUCTION	CANDIDATE FOR DEEPENING IN WASATCH	
BROADHEAD 1-24B6	SWNE 24-2S-6W	43-013-30518	Oct-96	UNECONOMIC PRODUCTION	CANDIDATE FOR DEEPENING IN WASATCH	
BROTHERSON 2-34B4	NWNE 34-2S-4W	43-013-30857	Oct-93	UNECONOMIC PRODUCTION	CANDIDATE FOR P&A LIST	
CEDAR RIM 11	NWNE 27-3S-6W	43-013-30352	Apr-96	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 12	SWNE 28-3S-6W	43-013-30344	Oct-89	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 14	SWNE 10-3S-6W	43-013-30345	Sep-86	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 16	SWNE 33-3S-6W	43-013-30363	Nov-96	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 2	SWNE 20-3S-6W	43-013-30019	Aug-92	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 21	SESE 10-3S-6W	43-013-31169	Oct-91	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 5A	SESW 16-3S-6W	43-013-31170	Feb-96	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CEDAR RIM 8	SWNE 22-3S-6W	43-013-30257	Oct-96	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
CHENEY 1-33A2	SWNE 33-1S-2W	43-013-30202	May-94	UNECONOMIC PRODUCTION	POTENTIAL WASATCH / L GREEN RIVER RECOMPLETION	
CHENEY 2-33A2	NESE 33-1S-2W	43-013-31042	Dec-93	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
CAMPBELL 1-12B2	SWNE 12-2S-2W	43-013-30237	Dec-93	UNECONOMIC PRODUCTION	POTENTIAL WASATCH / L GREEN RIVER RECOMPLETION	
SMITH 1-6C5	NWNE 6-3S-5W	43-013-30163	Apr-92	UNECONOMIC PRODUCTION	POTENTIAL U GREEN RIVER RECOMPLETION	
DUCHESNE COUNTY 1-3C4	SENE 3-3S-4W	43-013-30065	Oct-96	UNECONOMIC PRODUCTION	POTENTIAL WASATCH / L GREEN RIVER RECOMPLETION	
DUCHESNE 1-17C4	NWNE 17-3S-4W	43-013-30410	?	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
JENSEN FENZEL 1-20C5	SWNE 20-3S-5W	43-013-30177	Feb-86	UNECONOMIC PRODUCTION	POTENTIAL WASATCH / L GREEN RIVER RECOMPLETION	
HARMSTON 1-32A1	NESW 32-1S-1W	43-013-30224	Mar-92	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
HORROCKS 1-6A1	SENE 6-1S-1W	43-013-30390	May-84	UNECONOMIC PRODUCTION	ON 98 P&A LIST	
VODA 1-19C5	SWNE 19-3S-5W	43-013-30382	?	UNECONOMIC PRODUCTION	POTENTIAL WASATCH / L GREEN RIVER RECOMPLETION	
UTE TRIBAL 2-21G	NWNE 21-5S-4W	43-013-31313	?	UNECONOMIC PRODUCTION	POTENTIAL SERVICE WELL FOR WATERFLOOD	



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: _____

2. Name of Operator:

BARRETT RESOURCES CORPORATION

3. Address and Telephone Number:

1515 ARAPAHOE ST., TOWER 3, #1000, DENVER, CO 80202

(303) 572-3900

4. Location of Well:

Footages:

QQ, Sec., T., R., M.: **15 14 32**

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

43-013-30224

10. Field and Pool, or Wildcat:

County:

State: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other ANNUAL STATUS REPORT OF SHUT-IN WELLS | |

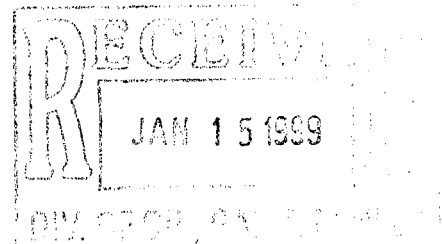
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED LIST



13

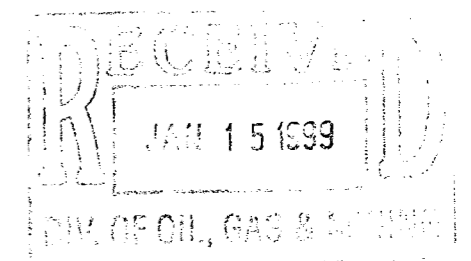
Name & Signature: *Greg Davis*

Title: **PRODUCTION SERVICES SUPVR**

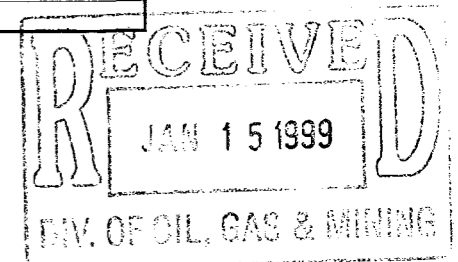
Date: **1/13/89**

(This space for Federal or State office use)

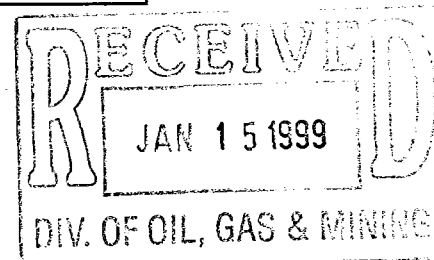
UTAH ANNUAL STATUS REPORT OF SHUT-IN WELLS 1998					
WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL
FEE 1-10B1E	SENW 10-2S-1E	43-047-30881	May-89	UNECONOMIC PRODUCTION	Under Review for P&A
BLEY 2X-25C7	NESW 25-3S-7W	43-013-31083	na	NEVER PRODUCED	Under Review for P&A
SMITH 2X-23C7	NENE 23-3S-7W	43-013-31634	na	NEVER PRODUCED	Under Review for P&A
ANDERSON 1-28A2	NWSE 28-1S-2W	43-013-30150	Jul-83	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
BLANCHARD 1-3A2	NWSE 3-1S-2W	43-013-20316	Feb-93	UNECONOMIC PRODUCTION	Under Review for P&A
BLANCHARD 2-3A2	SESW 3-1S-2W	43-013-30008	Feb-93	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
BROTHERSON 2-34B4	NWNE 34-2S-4W	43-013-30857	Oct-93	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
CEDAR RIM 11	NWNE 27-3S-6W	43-013-30352	Apr-96	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
CEDAR RIM 12	SWNE 28-3S-6W	43-013-30344	Oct-89	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
CEDAR RIM 14	SWNE 10-3S-6W	43-013-30345	Sep-86	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
CEDAR RIM 16	SWNE 33-3S-6W	43-013-30363	Nov-96	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
CEDAR RIM 2	SWNE 20-3S-6W	43-013-30019	Aug-92	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
CEDAR RIM 21	SESE 10-3S-6W	43-013-31169	Oct-91	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
CEDAR RIM 5A	SESW 16-3S-6W	43-013-31170	Feb-96	UNECONOMIC PRODUCTION	Under Review for P&A
CEDAR RIM 8	SWNE 22-3S-6W	43-013-30257	Oct-96	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
CHENEY 1-33A2	SWNE 33-1S-2W	43-013-30202	May-94	UNECONOMIC PRODUCTION	Under Review for P&A
CHENEY 2-33A2	NESE 33-1S-2W	43-013-31042	Dec-93	UNECONOMIC PRODUCTION	Under Review for P&A
CAMPBELL 1-12B2	SWNE 12-2S-2W	43-013-30237	Dec-93	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SMITH 1-6C5	NWNE 6-3S-5W	43-013-30163	Apr-92	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
DUCHESNE COUNTY 1-3C4	SENW 3-3S-4W	43-013-30065	Oct-96	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
DUCHESNE 1-17C4	NWNE 17-3S-4W	43-013-30410	Mar-82	UNECONOMIC PRODUCTION	Assign wellbore to Enviro-Tec, Inc. for P&A
JENSEN FENZEL 1-20C5	SWNE 20-3S-5W	43-013-30177	Feb-86	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
HARMSTON 1-32A1	NESW 32-1S-1W	43-013-30224	Mar-92	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
HORROCKS 1-6A1	SENW 6-1S-1W	43-013-30390	May-84	UNECONOMIC PRODUCTION	Under Review for P&A
VODA 1-19C5	SWNE 19-3S-5W	43-013-30382	Dec-81	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 2-21G	NWNE 21-5S-4W	43-013-31313	na	NEVER PRODUCED	Lease HBP; review recompl opportunities when pricing improves



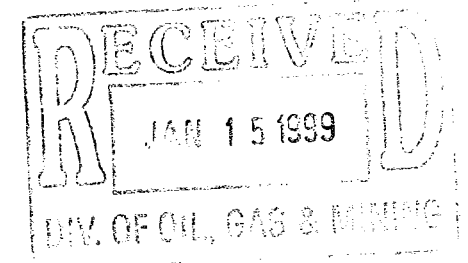
WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL
JOHN 1-3B2	NESW 3-2S-2W	43-013-30160	Sep-94	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
KENDALL 1-12A2	SWSW 12-1S-2W	43-013-30013	Dec-93	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
LAMICQ URRUTY 1-8A2	NWSW 8-1S-5W	43-013-30036	Dec-91	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
MEAGHER EST. 1-4B2	NWSE 4-2S-2W	43-013-30313	Feb-93	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
MOON TRIBAL 1-30C4	SESE 30-3S-4W	43-013-30576	Oct-96	UNECONOMIC PRODUCTION	Under Review for P&A
MORTENSEN 2-32A2	NWSE 32-1S-2W	43-013-30929	Mar-91	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
MYRIN-RANCH 1-13B4	NENE 13-2S-4W	43-013-30180	May-92	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
NORLING 1-9B1	NESE 33-1S-2W	43-013-30315	May-92	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
PHILLIPS FEDERAL 1-3C5	NENW 3-3S-5W	43-013-30333	Sep-93	UNECONOMIC PRODUCTION	Under Review for P&A
REESE 1-10B2	SESW 10-2S-2W	43-013-30215	Aug-92	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
ROBERTSON 1-29A2	SESW 29-1S-2W	43-013-30189	Jun-95	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE 1-2B2	NESW 2-2S-2W	43-013-30225	Jul-88	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SALERATUS WASH 1-7C5	SWNE 7-3S-5W	43-013-30098	Sep-94	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SHISLER 1-3B1	NWSE 3-2S-1W	43-013-30249	May-90	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SPRING HOLLOW 4-36Z3	NESW 36-1N-3W	43-013-30398	Feb-84	UNECONOMIC PRODUCTION	Under Review for P&A
STATE 1-6B1E	NWSE 6-2S-1E	43-047-30169	Dec-94	UNECONOMIC PRODUCTION	Under Review for P&A
STATE 1-7B1E	NWSE 7-2S-1E	43-047-30180	Oct-96	UNECONOMIC PRODUCTION	Under Review for P&A
STATE 2-35A2	SESW 35-1S-2W	43-013-30156	Sep-91	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SUMMERELL EST. 1-30A1	NWSE 30-1S-1W	43-013-30250	Sep-91	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
TODD 1-2B1	NWSE 2-2S-1W	43-047-30167	Dec-93	UNECONOMIC PRODUCTION	Under Review for P&A
URRUTY 1-34A2	SWNE 34-1S-2W	43-013-30149	Sep-83	UNECONOMIC PRODUCTION	Under Review for P&A
URRUTY 2-9A2	NESW 9-1S-2W	43-013-30046	Apr-94	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE 1-2A3	NWSE 2-1S-3W	43-013-30409	Jun-96	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE 1-2C5	NWNW 2-3S-5W	43-013-30392	Sep-92	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE 1-20C4	NWNE 20-3S-4W	43-013-30170	Oct-80	UNECONOMIC PRODUCTION	Under Review for P&A
UTE 1-5C5	NWNE 5-3S-5W	43-013-20260	Jan-79	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE 6-7B3	SWNE 7-2S-3W	43-013-30211	Sep-94	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 1-25C6	SWNE 25-3S-6W	43-013-30417	Sep-94	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 1-3C6	SWSE 3-3S-6W	43-013-30415	Sep-93	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; working on assignment of wellbore to Coastal O&G
TRIBAL FEDERAL 1-34B6	SWSE 34-2S-6W	43-013-30431	Oct-96	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; working on assignment of wellbore to Coastal O&G
UTE TRIBAL 1-36C6	NENE 36-3S-6W	43-013-30422	Oct-96	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE TRIBAL 1-5C4	SENE 5-3S-4W	43-013-30532	Aug-94	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE TRIBAL 2-13C6	NESW 13-3S-6W	43-013-30530	Sep-96	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
YACK 1-7A1	NESW 7-1S-1W	43-013-30018	Nov-95	UNECONOMIC PRODUCTION	Under Review for P&A



WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL
UTE 1-10A3	SENE 10-1S-3W	43-013-30319	Feb-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
BUZZI 1-11B2	SENE 11-2S-2W	43-013-30248	May-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
SHRINE 1-10C5	NWNE 10-3S-5W	43-013-30393	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A
EVANS UTE 1-17B3	NWNE 17-2S-3W	43-013-30274	May-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
GOODRICH 1-18B2	SENE 18-2S-2W	43-013-30397	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A
BOREN 1-24A2	NESW 24-1S-2W	43-013-30084	Sep-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTAH STATE FED 1-24B1	NWSE 24-2S-1W	43-047-30220	May-97	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
HAMBLIN 1-26A2	NESW 26-1S-2W	43-013-30083	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 1-26C6	SWNE 26-3S-6W	43-013-30412	Jun-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
FEDERAL 1-28E19E	SWSW 28-5S-19E	43-047-30175	Dec-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
DYE 1-29A1	NWSE 29-1S-1W	43-013-30271	Jul-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
MCCELPRANG 1-31A1	NWSE 31-1S-1W	43-013-30190	Jan-97	UNECONOMIC PRODUCTION	Under Review for P&A
VODA UTE 1-4C5	NWNE 4-3S-5W	43-013-30283	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A
UTE TRIBAL 1-4C6	NWNE 4-3S-6W	43-013-30416	Jan-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; working on assignment of wellbore to Coastal O&G
MURPHY 1-6C4	SWNE 6-3S-4W	43-013-30573	May-97	UNECONOMIC PRODUCTION	Review recompl opportunities when pricing improves
MARGUERITE 1-8B2	NWSE 8-2S-2W	43-013-30235	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
GARDNER 1-9B1E	NESW 9-2S-1E	43-047-30197	Jan-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE TRIBAL 1-9C6	SWNE 9-3S-6W	43-013-30487	Jan-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
UTE TRIBAL 10-1	SENE 10-2S-5W	43-013-30088	Jul-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
UTE TRIBAL 2-11C6	NESW 11-3S-6W	43-013-30534	May-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
UTE TRIBAL 2-12C6	SWSW 12-3S-6W	43-013-30500	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 2-23C6	NENW 23-3S-6W	43-013-30537	May-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 2-2C6	SWSW 2-3S-6W	43-013-30531	May-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
MCCELPRANG 2-31A1	NWSW 31-1S-1W	43-013-30836	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A
URRUTY 2-34A2	SWSW 34-1S-2W	43-013-30753	Jun-97	UNECONOMIC PRODUCTION	Under Review for P&A
SPRING HOLLOW 2-34Z3	NESW 34-1N-3W	43-013-30234	Apr-97	UNECONOMIC PRODUCTION	Under Review for P&A
UTE TRIBAL 2-3C6	NENW 3-3S-6W	43-013-30902	Jul-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; working on assignment of wellbore to Coastal O&G
REYNOLD 2-7B1E	SENE 7-2S-1E	43-047-31840	Jun-97	UNECONOMIC PRODUCTION	Under Review for P&A
UTE TRIBAL 2-9C6	SESE 9-3S-6W	43-013-31096	May-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
CADILLAC 3-6A1	SWSE 6-1S-1W	43-013-30834	Apr-97	UNECONOMIC PRODUCTION	Under Review for P&A
BASTIAN 3-7A1	NESE 7-1S-1W	43-013-30026	Apr-97	UNECONOMIC PRODUCTION	Under Review for P&A
UTE TRIBAL 3-9D5	SENE 9-4S-5W	43-013-20179	Jul-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; review recompl opportunities as pricing improves
ANDERSON 1-A-30B1	SWNE 30-2S-1W	43-013-30783	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A



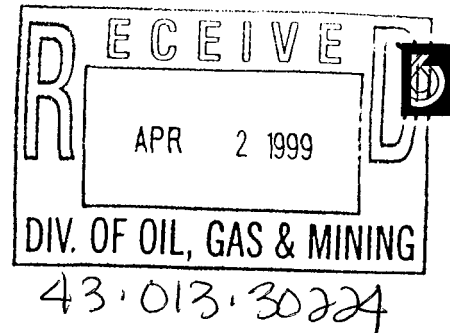
WELL NAME	QTR QTR SEC-T-R	API NUMBER	LAST PRODUCED	REASON FOR SHUT-IN OR TA'D WELL	FUTURE PLANS FOR WELL
CEDAR RIM 13	SENE 29-3S-6W	43-013-30353	Jul-97	UNECONOMIC PRODUCTION	Under Review for P&A; BLM P&A notification rec'd 10-98
CEDAR RIM 13A	SWSE 29-3S-6W	43-013-31174	Sep-97	UNECONOMIC PRODUCTION	Under Review for P&A; BLM P&A notification rec'd 10-98
CEDAR RIM 5	SWNE 16-3S-3W	43-013-30240	Jun-97	UNECONOMIC PRODUCTION	Under Review for P&A
CEDAR RIM 6	SWNE 21-3S-6W	43-013-30243	Jun-97	UNECONOMIC PRODUCTION	Under Review for P&A
CEDAR RIM 6A	CSW 21-3S-6W	43-013-31162	May-97	UNECONOMIC PRODUCTION	Under Review for P&A
UTE TRIBAL 10-21	NWSE 21-5S-4W	43-013-31283	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 13-22	SWSW 22-5S-4W	43-013-31548	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 4-22	NWNW 22-5S-4W	43-013-30755	Jun-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 9-23X	NESE 23-5S-5W	43-013-30999	Nov-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 9-4B1	SENW 4-2S-1W	43-013-30194	Jul-97	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE TRIBAL 1-30C5	SWNE 30-3S-5W	43-013-30475	Jul-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
UTE TRIBAL 5-1D5	SENW 5-4S-5W	43-013-30081	Jun-97	UNECONOMIC PRODUCTION	Tribal lease has re-newal option; BLM notification rec'd 10-98 to re-new or P&A
CEDAR RIM 17	SWNE 32-3S-6W	43-013-30385	Jun-97	UNECONOMIC PRODUCTION	Under Review for P&A; BLM P&A notification rec'd 10-98
J. LAMICQ ST. 1-6B1	SENW 6-2S-1W	43-013-30210	Sep-87	UNECONOMIC PRODUCTION	Lease HBP; review recompl opportunities when pricing improves
UTE "G" WD-1	SWNE 24-3S-6W	43-013-30372	na	SWD FAILED MIT	Under Review for P&A; EPA notification to P&A rec'd 10-98



BARRETT RESOURCES CORPORATION

March 31, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
PO Box 145801
Salt Lake City, Utah 84114-5801
Attn: Mr. John R. Baza



Re: Shut-in and Temporarily Abandoned Wells Compliance Review

Gentlemen:

Barrett is in receipt of your letter dated February 19, 1999 requesting the current status of certain shut-in wells in the Uinta Basin for which Barrett is the designated operator. A Sundry Notice and attached listing of wells defining their status is enclosed. The list is divided into two parts; the first part being those wellbores where Barrett is requesting extension of the shut-in status and the second part being those wellbores that Barrett intends to plug and abandon.

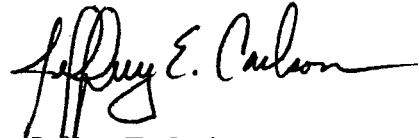
As to the first list, each of the wellbores is located on a valid lease being held by production from a second well on that lease, or on leases recently renewed and still under their primary term. Although the wellbores have been shut-in and assigned to successive operators over the past years, Barrett believes that these wellbores still may have recompletion potential. Oil prices during the past two years that Barrett has been the designated operator have not supported an aggressive recompletion program. A review of well histories and inspection of the surface wellhead equipment indicates that each of the wellbores has an adequate protection string of surface casing that was cemented back to surface at the time of drilling. All fresh water aquifers are protected from contamination. Barrett is requesting extension of the shut-in well status on these wellbores to allow for the potential future recompletion of commercially productive oil and/or natural gas bearing zones on these leases.

The wellbores on the second list have been reviewed and determined not to have future recompletion potential. The list also includes those wellbores that are located on leases that have been terminated and the plugging obligation remains. Barrett will plug all of the wellbores included on this list; however, the scheduling of that work has not been determined. Because of the overall large numbers of wellbores that Barrett has been assigned that fall into this category on State, fee, Tribal, and Federal leases, it is necessary to distribute this plugging liability over the next several years. Barrett will schedule the annual number of plugging commitments that it can undertake as our capital budget and existing production revenues allow. Our current commitment is to plug ten Altamont-Bluebell wells in 1999.

We are attempting to prioritize the plugging requirements and address concerns of the Ute Tribe, Bureau of Land Management (BLM), and the State of Utah. Barrett is requesting permission to work with the Oil and Gas Division staff in the scheduling of these plugging commitments. As with the previous list of wellbores, Barrett has reviewed the well histories to ensure that each of the wellbores has an adequate protection string of surface casing that was cemented back to surface at the time of drilling. We believe that the mechanical integrity of the wellbores will protect the public health, safety, and the environment during the period of time that Barrett needs to fulfill its plugging obligations.

Barrett will submit a proposed plugging schedule once it has finalized a review of similar requirements with the Ute Tribe and BLM. If there are any questions regarding this proposal, please call Fritts Rosenberger, Sr. Landman, at (303) 606-4045 or myself at (303) 606-4063.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey E. Carlson". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jeffrey E. Carlson
Sr. Petroleum Engineer

Enclosures

cc: Fritts Rosenberger

Merle Evers

Ted Brown

Gene Martin

Greg Davis

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Barrett Resources Corporation

3. Address and Telephone Number:

1515 Arapahoe St. Tower 3 Suite 1000 Denver, CO 80202 (303) 572-3900

4. Location of Well See attached

Footages: See attached

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached

6. If Indian, Alutian or Tribe Name:

See attached

7. Unit Agreement Name:

See attached

8. Well Name and Number:

See attached

9. API Well Number:

See attached

10. Field and Pool, or Wildcat:

See attached

Duchesne/Uintah

County:

Utah

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Recomplete
☐ Convert to Injection ☐ Reperforate
☐ Fracture Treat or Acidize ☐ Vent or Flare
☐ Multiple Completion ☐ Water Shut-Off
☐ Other _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- ☐ Abandon * ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Reperforate
☐ Convert to Injection ☐ Vent or Flare
☐ Fracture Treat or Acidize ☐ Water Shut-Off
☒ Other Shut-in Well Compliance Review

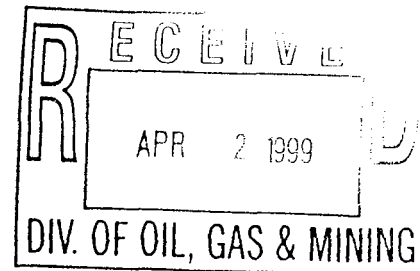
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see attached table and letter.



13.

Name & Signature:

Jeffrey E. Carlson

Title: Sr. Petr. Engineer

Date: 3/31/99

This space for State use only)

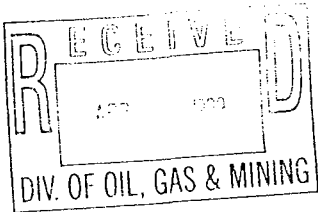
LIST #1

WELL NAME	API # "43-013"	LEASE TYPE	LOCATION				COUNTY	FIELD	SURFACE CSG DETAIL W/ CMT	SI EXPLANATION; BRC PLANS
			FTG	S	T	R				
REQUEST EXTENSION OF SHUT-IN STATUS										
KARL SHISLER 1-3B1	30249	FEE	1992'FSL 1992'FEL	3	2S	1W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2497' w/ 1800 sx	UNECONOMIC IN CURRENT ZONE; WELL HAS BEHIND-PIPE POTENTIAL; SI UNTIL OIL PRICES SUPPORT RECOMPLETION
REESE ESTATE 1-10B2	30215	FEE	2304'FNL 2041'FEL	10	2S	2W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2630' w/ 1100 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-10B2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
JENSEN FENZEL 1-20C5	30177	FEE	1697'FNL 1750'FEL	20	3S	5W	DUCHESNE	ALTAMONT	10 3/4" 40.5# K55 @ 476' w/ 350 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-20C5; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
OWEN ANDERSON 1-28A2	30150	FEE	2450'FSL 1650'FEL	28	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# K55 @ 2927' w/ 1350 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-28A2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
HAMBLIN 1-26A2	30083	FEE	1845'FSL 1980'FWL	26	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# K55 @ 2608' w/ 1230 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-26A2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
LAMICQ-URRUTY 1-8A2	30036	FEE	1413'FSL 1271'FWL	8	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# J55 @ 782' w/ 774 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-8A2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
CEDAR RIM #2	30019	FEE	1880'FNL 1985'FEL	20	3S	6W	DUCHESNE	CEDAR RIM	13 3/8" 48# H40 @ 505' w/ 612 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET CR#2A; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
WH BLANCHARD 2-3A2	30008	FEE	1175'FSL 1323'FWL	3	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# K55 @ 515'	UNECONOMIC IN CURRENT ZONE; LEASES RENEWED. WELL HAS POTENTIAL FOR DEEPENING IN WASATCH; SI UNTIL OIL PRICES SUPPORT RE-ENTR
MEAGHER ESTATE 1-4B2	30313	FEE	2140'FSL 1639'FEL	4	2S	2W	DUCHESNE	BLUEBELL	13 3/8" 68# K55 @ 330'	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-4B2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES
BLANCHARD FEE 1-3A2	20316	FEE	1988'FSL 1985'FEL	3	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# J55 @ 857' w/ 650 sx	UNECONOMIC IN CURRENT ZONE; LEASES RENEWED. WELLBORE UNDER REVIEW FOR BEHIND-PIPE POTENTIAL.
JOSEPHINE VODA 1-19C5	30382	FEE	1783'FNL 1241'FEL	19	3S	5W	DUCHESNE	ALTAMONT	9 5/8" 40# K55 @ 3107' w/ 1400 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-19C5; WELL HAS BEHIND-PIPE POTENTIAL, SI PENDING OIL PRICE SUPPORT
NORLING STATE 1-9B1	30315	FEE	1597'FNL 1778'FEL	9	2S	1W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2481' w/ 2000 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-10B2; WELL HAS BEHIND-PIPE POTENTIAL, SI PENDING OIL PRICE SUPPORT
STATE UNIT 2-35A2	30156	STATE	2163'FNL 2433'FWL	35	1S	2W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2479' w/ 2825 sx	UNECONOMIC IN CURRENT ZONE; LEASE HBP BY OFFSET #2-10B2; WELLBORE SI PENDING EVALUATION OF BEHIND-PIPE OPPORTUNITIES

LIST #2

WELL NAME	API # "43-013"	LEASE TYPE	LOCATION				COUNTY	FIELD	SURFACE CSG DETAIL W/ CMT	SI EXPLANATION; BRC PLANS
			FTG	S	T	R				
ON BRC PLUGGING LIST										
PHILIPS UTE 1-30C5	30333	FEE	1132'FNL 1387'FWL	3	3S	5W	DUCHESNE	ALTAMONT	9 5/8" 36# K55 @ 2951' w/ 850 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
HARMSTON 1-32A1	30224	FEE	2215'FSL 1826'FWL	32	1S	1W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2500' w/ 2103 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
UTE 1-20C4	30170	FEE	1234'FNL 1320'FEL	20	3S	4W	DUCHESNE	ALTAMONT	10 3/4" 40.5# K55 @ 1800' w/ 919 sx	MEDALLION P&A PROCEDURE APRVD BY STATE 5/93; ON BRC PLUGGING LIST, WILL RE-SUBMIT SUNDRY PER AGREED SCHEDULE
URRUTY 1-34A2	30148	FEE	2200'FNL 2500'FEL	34	1S	2W	DUCHESNE	BLUEBELL	10 3/4" 40.5# K55 @ 2652' w/ 1200 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
DUCHESNE COUNTY 1-17C4	30410	FEE	1247'FNL 1514'FEL	17	3S	4W	DUCHESNE	ALTAMONT	8 5/8" 24# K55 @ 787' w/ 390 sx	ASSIGN TO ENVIRO-TEC INC. FOR PLUGGING IN ACCORDANCE W/ EPA REQUIREMENTS FOR ENVIRO-TEC DISPOSAL WELL APPLICATION
BROTHERSON 2-34B4	30857	FEE	924'FNL 2107'FEL	34	2S	4W	DUCHESNE	ALTAMONT	10 3/4" 40.5# K55 @ 1520' w/ 1080 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
SMITH 2X-2307	31834	FEE	866'FNL 1030'FEL	23	3S	7W	DUCHESNE	CEDAR RIM	9 5/8" 36# J55 @ 381' w/ 245 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
T. HORROCKS 1-8A1	30390	FEE	2273'FNL 2182'FWL	6	1S	1W	DUCHESNE	BLUEBELL	9 5/8" 36# K55 @ 2534' w/ 2000 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE
UTE TRIBAL 1-10B1E	43-047-30881	FEE	1649'FNL 2076'FWL	10	2S	1E	UINTAH	BLUEBELL	10 3/4" 40.5# K55 @ 1998' w/ 1600 sx	ON BRC PLUGGING LIST, WILL SUBMIT SUNDRY NOTICE & PROCEDURE PER AGREED SCHEDULE

FY-99.
FY-00

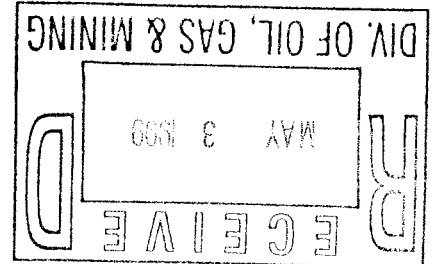


BARRETT RESOURCES CORPORATION



April 29, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
PO Box 145801
Salt Lake City, Utah 84114-5801
Attn: Mr. Robert J. Krueger



Re: 1999 Plugging List

Dear Mr. Krueger,

When we spoke by telephone in early April, I indicated that Barrett would be prepared by early May to submit its proposed list of Altamont-Bluebell wells to be plugged in 1999. The attached spreadsheet lists the twelve wellbores that Barrett will plug in 1999. Also attached to this letter are Sundry Notices for the plugging and abandonment procedures for the four wells over which the State of Utah has regulatory jurisdiction. There are two wells on the list that are to be plugged in association with an application that Enviro-Tec Inc. has made to establish a commercial disposal facility on an adjacent lease. The submittal of plugging Sundry Notices on those wells is being coordinated with Enviro-Tec. Plugging procedures for the remaining six wells have been or are being submitted to the Bureau of Land Management (BLM).

As we discussed, Barrett is attempting to meet its plugging obligations and satisfy the plugging requirements of each of the regulatory agencies, State, Federal, and Tribal. We are also trying to be sensitive to surface owners demands. Because of the length of the overall list of plugging obligations, Barrett is unable to address all of the obligations this year. The attached list represents our attempt to present a balanced plugging program with the funds that Barrett can allocate this year.

It is our intent to begin the plugging program within the next 4-6 weeks subject to approval of the Sundry Notices. If there are any questions regarding the attached list or plugging procedure, please call me at (303) 606-4063.

Sincerely,

Jeffrey E. Carlson
Sr. Petroleum Engineer

Enclosures

cc: Fritts Rosenberger, Merle Evers, Ted Brown, Gene Martin, Greg Davis

BARRETT RESOURCES CORP.														
1999 P&A LIST														
4/29/99														
"43-013"														
P&A LIST				LEASE		LOCATION			API	LAST	BRC OWNERSHIP		REMARKS	
ST	FD	UT	OTH	FIELD: ABCR	1/4 1/4	T-R	SEC	WELL #	NO	PROD	WI	NRI		
ST*	EPA		PR	HARMSTON U 1-32A1 (SI)	NE SW	A1	32	1	30224	Mar-92	0.976992	0.845868	LEASE STATUS ?; STATE REQUEST TO P&A	
ST*				URRUTY 1-34A2 (SI)	SW NE	A2	34	1	30149	Sep-83	0.969015	0.825499	LEASES LOST; STATE REQUEST TO P&A	
ST*				EARL GARDNER B-1 (SI)	NE SW	B1E	9	1	30197	Jan-97	0.674063	0.514730	UTE LEASE OPTION ON 160 AC; SURF OWNER DEMANDS TO P&A	
				BROTHERSON 2-34B4 (SI)	NW NE	B4	34	2	30857	Oct-93	1.000000		LEASE STATUS ?; STATE REQUEST TO P&A	
ST				GERITZ MURPHY 1-6C4 (SI)	SW NE	C4	6	1	30573	May-97	1.000000	0.823783	LEASE STATUS ?; SURF OWNER DEMANDS TO P&A	
				DUCHESNE CO 1-17C4 (LSHD)	NW NE	C4	17	1	30410	Mar-82	0.997070	0.872437	WO ASSIGNMENT TO ENVIROTEC; CONTRACT BRC TO P&A	
				UTE COUNTY 1-20C4 (SI)	C NE	C4	20	1	30170	Oct-80	1.000000	0.841146	LEASES LOST; STATE REQUEST TO P&A	
ST*				EPA	FORTUNE UTE FED 1-11C5 (LSHD)	SE NW	C5	11	1	30402	NA	0.986567	0.830821	WO ASSIGNMENT TO ENVIROTEC; CONTRACT BRC TO P&A
				EPA	UTE TRIBAL G SWD-1 (SI)	SW NE	C6	24	1SWD	30372	NA	0.516000	0.516000	FAILED MIT 5/97; REC'D EPA P&A DEMAND 10/98
				BLM	CEDAR RIM 13 (29C6) (SI)	SE NE	C6	29	13	30353	Jun-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98
	BLM	CEDAR RIM 13A (29C6) (SI)	SW SE	C6	29	13A	31174	Sep-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98			
	BLM	CEDAR RIM 17 (32C6) (SI)	SW NE	C6	32	17	30385	May-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98			
TOTAL					12 WELLS									

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*

(Other sections on
reverse side)**SUNDRY NOTICES AND REPORTS ON WELLS**(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. OIL OR GAS WELL Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <i>Free</i>
2. NAME OF OPERATOR BARRETT RESOURCES CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1515 ARAPAHOE STREET, TOWER 3, #1000, DENVER, CO 80202 (303)572-3900		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL 1826' FWL NWNESW SECTION 32-T1S-R1W		8. FARM OR LEASE NAME HARMSTON
		9. WELL NO. 1-32A1
		10. FIELD AND POOL, OR WILDCAT BLUEBELL
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NWNESW SECTION 32-T1S-R1W
14. PERMIT NO. 43-013-30224	15. ELEVATIONS (Show whether DF, RT, GR, ETC.) 5343' KB	12. COUNTY OR PARISH DUCHESNE
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :		SUBSEQUENT REPORT OF :	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other)_PROGRESS REPORT <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

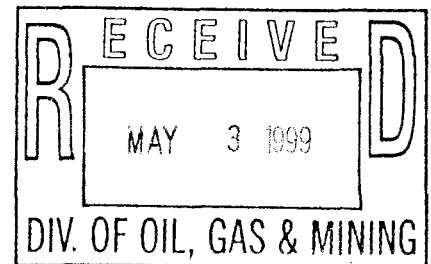
BARRETT RESOURCES CORPORATION PROPOSES TO PLUG AND ABANDON THE SUBJECT WELL PER THE ATTACHED PROCEDURE.

APPROVED *

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: 5-11-99

COPY SENT TO OPERATOR
 Date: 5-12-99
 Initials: CHD



18. I hereby certify that the foregoing is true and correct

SIGNED *Greg Davis* TITLE PRODUCTION SERVICES SUPERVISOR DATE 4/30/99

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY :

* For procedure steps 5 and 8, spot 20 sacks (±100') cement on top of retainer. *25k*

*See Instruction on Reverse Side

**Barrett Resources Corporation
Plugging Procedure**

**Harmston 1-32A1
NW NE SW Sec. 32, T1S-R1W
Duchesne County, Utah
API No. 43-013-30224**

**Prepared: 04/21/99
JEC**

KB: 5,343' GL: 5,323' TD: 13,000' (8/73)
PBSD: +/- 10,315' junk CIBP pushed to TOL (9/88)
Conductor: 20" @ 56' Cmt'd to surface
Surface Csg: 9 5/8" 36# K55 @ 2,500'
Intermediate Csg: 7" 26# S-95 @ 10,508'
Liner: 5" 18# S-95 @ 13,000'; TOL @ 10,315'
Tubing: OE 2 7/8" @ +/- 8,308'
Open Perforations: Lwr Grn River/Wasatch 8,596' - 10,464' OA
Suspected Csg Prob: None

1. MIRU workover rig. Blow well down. ND wellhead, NU BOPE.
2. POH w/ 1.9" side string. Change out BOP rams to 2 7/8". POH w/ 2 7/8" tbg. PU 7" csg scraper & bit. RIH on 2 7/8" to PBSD @ +/- 10,315'. POH.
3. RIH w/ OE tbg to +/- 10,315' & spot a 20 sack cement plug (100') in 7" csg.
4. PU 7" cmt retainer & RIH on tbg. Set retainer @ +/- 8,500'.
5. MIRU Halliburton. Pump 150 sacks of cement below retainer. Sting out of retainer and spot 5 sacks (25') of cement on top of retainer.
6. Circ hole w/ produced water containing corrosion inhibitor, oxygen scavenger, and biocide.
7. POH to 3,850'. Spot a 20 sack cement plug (100') in 7" casing.
8. POH w/ tbg. RU wireline and perforate 4 spf w/ 4" casing gun @ 2,550'. Fill casing w/ water and pressure casing to 750 psi. If injection rate established, TIH w/ 7" cement retainer and set @ +/- 2,400'. Pump 70 sacks (200') cement below retainer. Sting out of retainer and spot 5 sacks (25') of cement on top of retainer. (If injection rate cannot be established, TIH w/ open ended tubing to 2,600' and spot a 40 sack cement plug (200') in 7" casing.

9. POH and spot a 20 sack cement plug (100') in 7" casing from surface to 100'. POH w/ 2 7/8" tubing and lay down.
10. Allow cement to set for 12-24 hrs. Cut-off all pipe 6' below ground level. PU 1" pipe and RIH to 100' inside 7" X 9 5/8" annulus. Pump 25 sacks cement and circulate cement to surface. Weld steel plate across top of csg stub showing well number, legal location, and name of lease on plate. Ensure that steel plate is at least 4' below re-contoured ground level.
11. Reclaim location as per State of Utah specifications.

Capacity of casing using Class G cement @ 1.15 cu.ft/sk:

5" 18# liner – 11.5 ft/sk

7" 26# csg – 5.4 ft/sk

7" X 9 5/8" annulus – 6.9 ft/sk

**Barrett Resources Corporation
Well History**

**Harmston 1-32A1
NW NE SW Sec. 32, T1S-R1W
Duchesne County, Utah**

**Prepared: 04/21/99
JEC**

6/2/73	Spud well.
6/6/73	Set 9 5/8" 36# K-55 Surface Csg @ 2,500'. Cmt w/ 1903 sx 50/50 Poz + 200 sx "G". Circ cmt to surface.
8/1/73	Set 7" 26# S-95 Intermediate Csg @ 10,508'. Cmt w/ 400 sx 50/50 Poz + 200 sx "G".
8/3/73	Shoot 8 sqz perfs @ 3900'. Set ret. @ 3885' & sqz w/ 675 sx "G" cmt.
8/5/73	Break down perfs & circ thru 7"x9 5/8" annulus. Re-sqz w/ 500 sx.
8/30/73	Reach TD @ 13,000'.
9/5/73	Set 5" 18# S-95 liner @ 12,998'. TOL @ 10,315'. Cmt w/ 360 sx "G".
9/7/73	CO & run CNL/CBL/GR.
9/11/73	Set Baker Retrieval "D" pkr @ 10,287'.
10/1/73	Perf Wasatch 11,222'-12,661' OA (49 intervals, 49' total w/ 98 holes)
10/8/73	Acidize perfs w/ 6,300 gals 12.3% HF acid.
10/12/73	Put well on prod. IP: 1477 bopd, 0 bwpd on 30/64" chk
1/74	Run prod logs.
6/13/74	Perforate additional Wasatch 11,549'-12,859' OA (68 intervals, 68' total w/ 68 holes)
6/15/74	Acidize all perfs w/ 20,000 gals 12% HF acid.
6/21/75	Acidize all perfs w/ 9,000 gals 15% HCl acid.
9/9/75	Installed submersible Reda pump.
8/4/77	Remove Ret. D pkr @ 10,292'. CO to 12,863' PBTD

8/13/77 Set Ret. D pkr @ 10,312'. Acidize Wasatch perms w/ 6000 gals 15% HCl.

8/23/77 Install hydraulic pump. Put well on prod.

1/24/79 Acidize Wasatch perms w/ 24,000 gals 15% HCl

7/5/79 Retr. pkr @ 10,312'. Tag fill @ 12,850'. Re-perf Wasatch f/ 10,650'-12,792' OA (111 intervals, 111' total, 222 holes). Re-set pkr @ 10,312'.

7/12/79 Acidized perms w/ 26,000 gals 15% HCl acid. Put well back on hydraulic pump.

8/7/82 Retr. pkr @ 10,312'. Set cmt ret. @ 10,600' & sqz perms 10,650'-12,859' OA w/ 200 sx "G" cmt.

8/11/82 Perforate Lwr. Green River 10,084'-10,464' OA (130 intervals, 130' total, 260 holes). Perforate 9,676'-9,810' OA (23 intervals, 23' total, 46 holes)

8/14/82 Set Model D pkr @ 9,614'. Acidize Lwr. Green River perms w/ 20,000 gals 15% HCl acid. Put well on hydraulic pump.

10/19/82 Acidized perms w/ 8,000 gals 15% HCl acid. Ran temp survey & RA tracer. Perf 10,182'-10,232' OA (50' total, 200 holes). Put well on hydraulic pump.

6/9/83 Ret. Model "D" pkr @ 9,614'. CO to liner top @ 10,315'. CO inside liner to CIBP @ 10,495'(?). Run cased hole CO log 10,499'-6,500'. Set ret. pkr @ 10,012'. Acidize perms 10,084'-10,464' w/ 7500 gals 15% HCl.

6/15/83 Perf 9,436'-9,923' OA (6 intervals, 16' total, 64 holes). Set RBP @ 10,000' & pkr @ 9,372'. Acidize perms 9,436'-9,923' w/ 8000 gals 15% HCl acid.

6/24/83 Perf 9,310'-9,384' OA (29 intervals, 29' total, 116 holes). Set RBP @ 9,415' & pkr @ 9,257'. Acidize perms 9,310'-9,384' w/ 6000 gals 15% HCl acid. Well test flwg 100% oil.

7/19/83 Set CIBP @ 9,450'. Dump 10' cmt on plug. PBTD @ 9,440'. Set Baker Model "D" pkr @ 9,250'. Put well back on hydraulic pump.

8/28/84 Ret Model D pkr f/ 9250'. Set ret. pkr @ 9,286'. Acidize perms 9,310'-9,386' w/ 4500 gals 15% HCl acid. Swab test. Ret pkr f/ 9,286'. Set CIBP @ 9,200'. Dump 10' cmt on plug. PBTD @ 9,190'.

9/1/84 Perf 9,060'-72' & 9,086'-96'. Set ret pkr @ 9,030'. Acidize new perfs w/ 3500 gals 15% HCl.

9/7/84 Ret pkr f/ 9,030'. Perf 8,596'-8,666' OA (3 intervals, 52' total, 104 holes). Set RBP @ 8,703' & ret pkr @ 8,545'. Acidize perfs 8,596'-8,666' w/ 8,000 gals 15% HCl. Ret RBP f/ 8,703' & pkr f/ 8,545'. Set Model D pkr @ 8,535'. Put well on hydraulic pump.

11/2/84 Ret pkr f/ 8,535'. Mill on CIBP @ 9,200'. CO to 9,420'. Perf. 9,188'-9,204' (16' total, 32 holes). Set RBP @ 9,256' & ret. pkr @ 9,160'. Acidize perfs 9,188'-204' w/ 2500 gals 15% HCl acid. Swab 50% oil cut. Re-set pkr @ 8,995'. Put well on prod f/ perfs 9,060'-96' & 9,188'-204'.

2/17/85 Convert to rod pump.

4/9/88 Strip out of hole w/ rods & tbg. (Rods completely salted off in tbg). CO to RBP @ 9,205'. Ret RBP. Set 7" R-3 pkr @ 9,276'. Swab test perfs 9,310'-9,438'. Hvy salt build-up in tbg after 2nd day.

4/19/88 Set RBP @ 9,283' & pkr @ 9,150'. Swab test perfs 9,188'-204'. Re-set RBP @ 9,156' & pkr 9,002'. Swab test perfs 9,060'-96'. Rel pkr & rec RBP f/ 9,156'. Re-set RBP @ 9,006' & pkr @ 8,545'. Swab test perfs 8,596'-8,666'. Rel pkr & RBP. RIH & tag fill @ 9,362'.

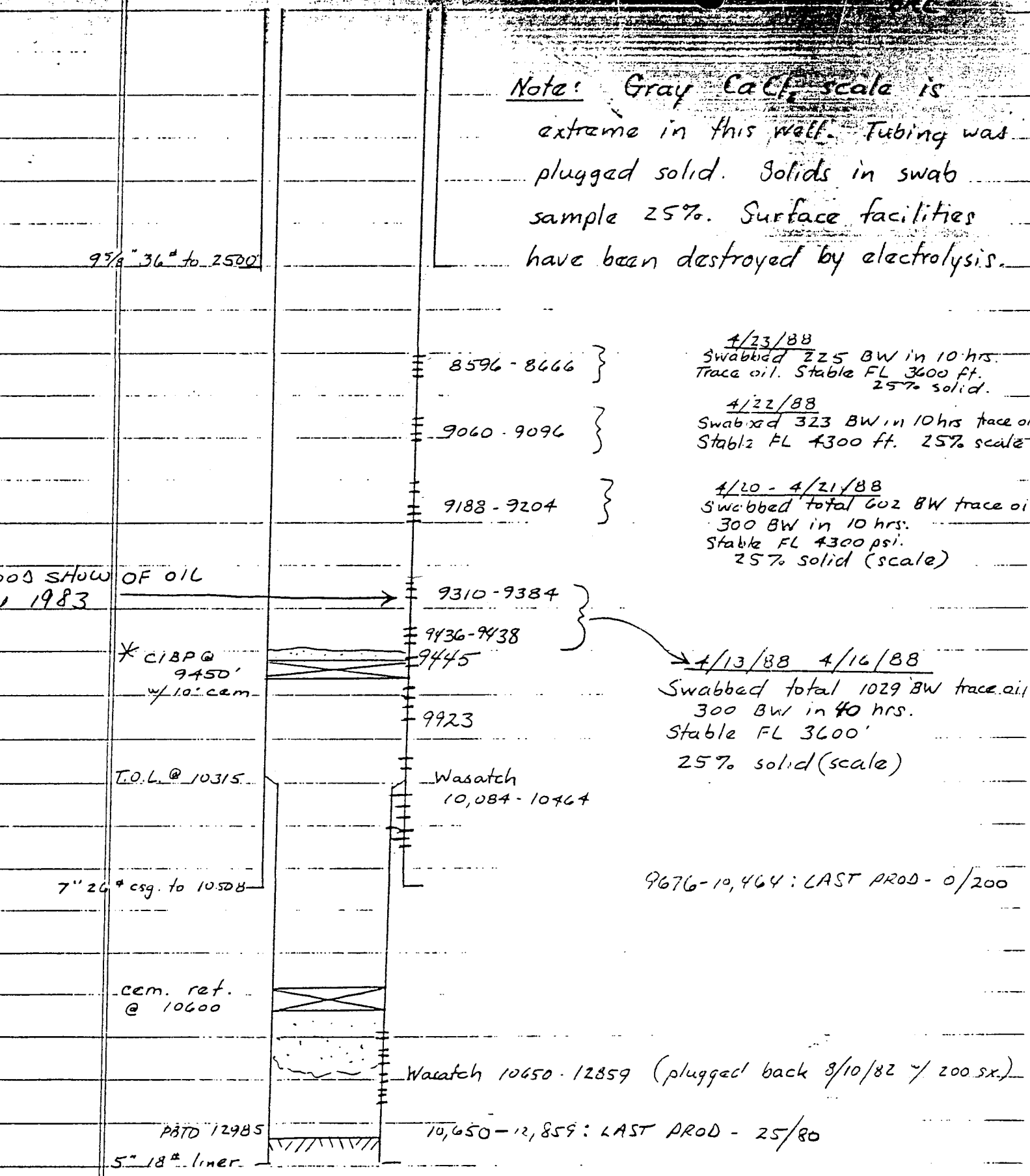
4/27/88 RIH w/ OE tbg to 8,292' w/ Guiberson side-string stinger @ 6,021'. Convert well to monthly swab.

9/2/88 Circ hole w/ 135 bbls oil. CO thru bridge @ 9,357' Drill out cmt & CIBP @ 9,450'. Chase to TOL @ 10,315'. Run Schlumberger CET log 10,333'-2,100'. RIH w/ 268 jts 2 7/8" tbg w/ SN on btm jt. RIH w/ +183 jts 1.9" 2.76# 10rd tbg. Continue monthly swab.

3/92 Last prod date. Well swabbed 10-30 bopm since 9/88. Cum prod. 477.6 MBO & 515.5 MMcf.

Hayston 1-88 4/20/88

Note: Gray CaCl₂ scale is extreme in this well. Tubing was plugged solid. Solids in swab sample 25%. Surface facilities have been destroyed by electrolysis.



4/23/88
Swabbed 225 BW in 10 hrs.
Trace oil. Stable FL 3600 ft.
25% solid.

4/22/88
Swabbed 323 BW in 10 hrs trace oil
Stable FL 4300 ft. 25% scale

4/20 - 4/21/88
Swabbed total 602 BW trace oil
300 BW in 10 hrs.
Stable FL 4300 psi.
25% solid (scale)

4/13/88 4/16/88
Swabbed total 1029 BW trace oil
300 BW in 40 hrs.
Stable FL 3600'
25% solid (scale)

* NOTE: CIBP AT 9450' WAS DRILLED OUT 7-4-88 AND PUSHED DOWN TO T.O.L

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER: _____

2. Name of Operator:

BARRETT RESOURCES CORPORATION

3. Address and Telephone Number:

30 WEST 425 SOUTH (330-5), ROOSEVELT, UTAH 84066 (435)722-1325

4. Location of Well:

Footage: **2215' FSL 1826' FWL**

QQ, Sec., T., R., M.: **NE/SW SEC. 32, T1S, R1W**

5. Lease Designation and Serial Number:

FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

HARMSTON 1-32A1

9. API Well Number:

43-013-30224

10. Field and Pool, or Wildcat:

BLUEBELL

County: **DUCHESNE**

State: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Rep perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start 7/1/99

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Rep perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Robert J. Krueger:

As per our telephone conversation on 6/8/99, the plugging procedure was revised to conform to the verbal conditions of approval, BRC proposes to plug and abandon the subject well per the attached procedure.

13

Name & Signature: GENE MARTIN *Gene Martin* Title: PRODUCTION FOREMAN

Date: 6/10/99

(This space for Federal or State office use)

APPROVED *

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

(4/94)

Date: 6-14-99

COPY SENT TO OPERATOR

Date: 6-14-99

Initials: CHR

* Step 10 - Set
state specification
dry hole marker

**Barrett Resources Corporation
Plugging Procedure**

**Harmston 1-32A1
NW NE SW Sec. 32, T1S-R1W
Duchesne County, Utah
API No. 43-013-30224**

**Revised: 06/10/99
JEC, GM**

KB: 5,343' GL: 5,323' TD: 13,000' (8/73)
PBTD: +/- 10,315' junk CIBP pushed to TOL (9/88)
Conductor: 20" @ 56' Cmt'd to surface
Surface Csg: 9 5/8" 36# K55 @ 2,500'
Intermediate Csg: 7" 26# S-95 @ 10,508'
Liner: 5" 18# S-95 @ 13,000'; TOL @ 10,315'
Tubing: OE 2 7/8" @ +/- 8,308'
Open Perforations: Lwr Grn River/Wasatch 8,596' - 10,464' OA
Suspected Csg Prob: None

-
1. MIRU workover rig. Blow well down. ND wellhead, NU BOPE.
 2. POH w/ 1.9" side string. Change out BOP rams to 2 7/8". POH w/ 2 7/8" tbg. PU 7" csg scraper & bit. RIH on 2 7/8" to PBTD @ +/- 10,315'. POH.
 3. RIH w/ OE tbg to +/- 10,315' & spot a 20 sack cement plug (+/- 100') in 7" csg.
 4. PU 7" cmt retainer & RIH on tbg. Set retainer @ +/- 8,500'.
 5. MIRU Halliburton. Pump 150 sacks of cement below retainer. Sting out of retainer and spot 20 sacks (+/- 100') of cement on top of retainer.
 6. Circ hole w/ produced water containing corrosion inhibitor, oxygen scavenger, and biocide.
 7. POH to 3,850'. Spot a 20 sack cement plug (+/- 100') in 7" casing.
 8. POH w/ tbg. RU wireline and cut-off 7" casing @ 2,550'.
 - a. POH & LD 7" casing. TIH w/ open ended tubing to 2580' and spot a 90 sack cement plug (+/- 200') in 7" casing, 8 3/4" open hole, and 9 5/8" casing. After cement has set-up, tag cmt. top.
 - b. If unable to pull casing, fill casing w/ water and pressure casing to 750 psi. If injection rate established, TIH w/ 7" cement retainer and set @ +/- 2,375'. Pump 70 sacks (+/- 200') cement below

retainer. Sting out of retainer and spot 20 sacks (+/- 100') of cement on top of retainer. (If injection rate cannot be established, TIH w/ open ended tubing to 2,600' and spot a 40 sack cement plug (200') in 7" casing.

9. POH and spot a 20 sack cement plug (+/- 100') in 7" casing from surface to 100'. POH w/ 2 7/8" tubing and lay down.
10. Allow cement to set for 12-24 hrs. Cut-off all pipe 6' below ground level. PU 1" pipe and RIH to 100' inside 7"X 9 5/8" annulus. Pump 25 sacks cement and circulate cement to surface. Weld steel plate across top of csg stub showing well number, legal location, and name of lease on plate. Ensure that steel plate is at least 4' below re-contoured ground level.
11. Reclaim location as per State of Utah specifications.

Capacity of casing using Class G cement @ 1.15 cu.ft/sk:

- 5" 18# liner - 11.5 ft/sk
- 7" 26# csg - 5.4 ft/sk
- 7" X 9 5/8" annulus - 6.9 ft/sk

PLUGGING OPERATIONS

Well Name: HARMSTON 1-32A1 API Number: 43-013-30224
 Qtr/Qtr: NE/SW Section: 32 Township: 1S Range: 1W
 Company Name: BARRETT RESOURCES CORPORATION
 Lease: State _____ Fee YES Federal _____ Indian _____
 Inspector: DENNIS L. INGRAM Date: 7/26/99

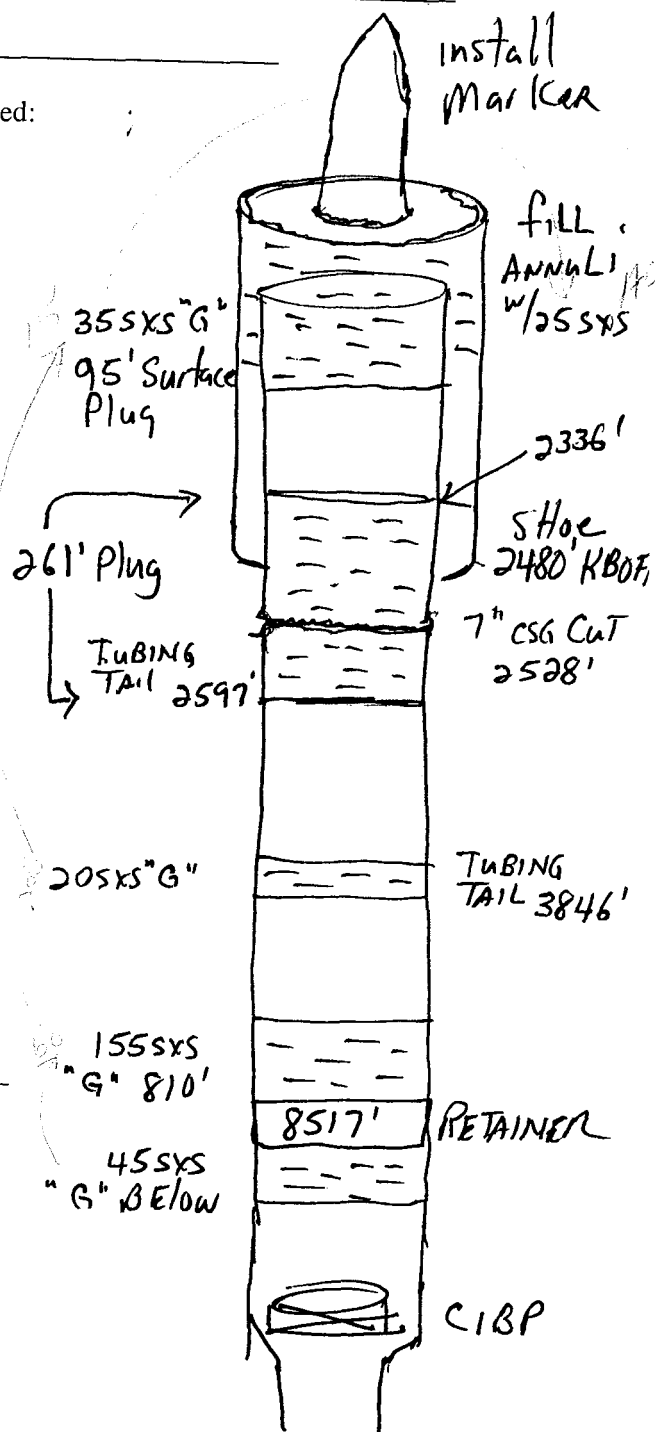
Casing Tested: YES X NO _____ Results: 125PSI LEAK OFF IN 15 MINUTES

Cementing Company: BASIN CEMENTING

Draw a wellbore diagram as plugged:

COMMENTS: SPOTTED 20 SXS CEMENT @
10,309' BUT FLOWED BACK TO SURFACE THROUGH
TUBING--HAD 10. +PPG BRINE WATER IN HOLE.
ABANDON IDEA OF PLUG AT CIBP TOP AND MOVE
UPHOLE TO SET RETAINER. SET REATINER @
8517' AND SQUEEZE 45 SXS "G" UNDER SAME AND
155 SXS ABOVE--SQUEEZE LOCKED UP AT 1800PSI
MADE CASING CUT @ 2528' BUT CASING WAS STUCK
(PROBABLY CEMENTED) AND WAS LEFT IN HOLE.
ATTEMPTED AN INJECTION RATE THROUGH CASING
CUT BUT WAS UNABLE TO INJECT. FILL BACKSIDE
OF 7" WITH 25SXS CEMENT AND LET SET OVERNIGHT.
PHOTOS OF MARKER & WELD ARE ATTACHED.

Attach copy of cement ticket if available.



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO.	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR BARRETT RESOURCES CORPORATION		8. FARM OR LEASE NAME HARMSTON	
3. ADDRESS OF OPERATOR 1515 ARAPAHOE STREET, TOWER 3, #1000, DENVER, CO 80202 (303)572-3900		9. WELL NO. 1-32A1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2215' FSL 1826' FWL NWNESW SECTION 32-T1S-R1W		10. FIELD AND POOL, OR WILDCAT BLUEBELL	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NWNESW SECTION 32-T1S-R1W	
14. PERMIT NO. 43-013-30224	15. ELEVATIONS (Show whether DF, RT, GR, ETC.) 5343' KB	12. COUNTY OR PARISH DUCHESNE	13. STATE UTAH

16 Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF :

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☒
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

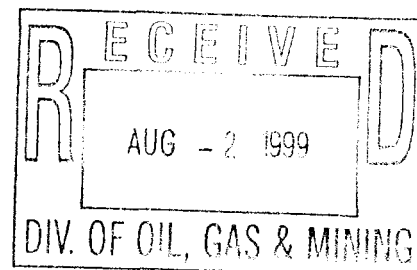
(Other) PROGRESS REPORT

 (Note: Report results of multiple completion on Well
 Completion or recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE SUBJECT WELL WAS PLUGGED AND ABANDONED PER THE FOLLOWING PROCEDURE:

MIRU. FLOW WELL TO FRAC TANK. RECEIVED APPROX 300 BBLs JUNK OIL AND WTR. DETERMINED OIL TO BE UNFIT FOR SALE. HAULED BY NEBEKER TRUCKING TO RNI DISPOSAL. RU WEST SIDE HOT OIL. CIRC 250 BBLs HOT WATER DOWN CSG AND SIDE STRING. PUMP 10.2# PER GAL BRINE DOWN CSG. PRESSURE UP TO 1000# AFTER 60 BBLs. SUSPECT WAX PLUG. TRY TO GO DOWN SIDE STRING AND TBG WITHOUT SUCCESS. RU WESTSIDE HOT OIL. PUMP HOT WTR. DOWN TBG AND CSG AT 1500# AT 1/8 BBL/MIN. HEAT BRINE AND PUMP DOWN CSG FOR 185 BBLs AT 750# - 2 BBLs/MIN. OPEN CSG TO FRAC TANK. FLOWED BACK ALL BRINE AND 200 BBLs WTR. FLOW OVERNIGHT WITH TBG AND SIDE STRING OPEN & STATIC. FLOWED BACK 380 BBLs OVERNIGHT. POOH AND LD 183 JTS TBG. CHANGE BOP. PU 2 7/8" TBG AND POOH. BROKE CIRC ON 67TH STAND. CIRC 130 BBLs PROD WTR. HEATED TO 120 ISIP - CSG & TBG 400#. BLED OFF PRESSURE AND FINISH POOH WITH 268 JTS 2 7/8" TBG. TIH CLEANING AND CIRC TBG TO REMOVE CALCIUM AND SALT DEPOSITS. TIH CIRC TO 10309'. PUMP 20 SX CMT PLUG. TBG FLOWED BACK 190 BBLs. POOH WET TO 5775' WELL DEAD. KILL WELL WITH 130 BBLs BRINE. POOH WITH TBG TIH TO 2200' WITH TBG AND SCRAPER BIT. REVERSE HOLE FULL OF BRINE TO HOLD PRESSURE. CIRC IN HOLE TO 5500'. CLEAN OUT TO 8568'. SET CIRC AT 8517' SQUEEZE UNDER CIRC WITH 95 SX CMT. FINAL SQUEEZE PRESSURE AT 1900#. STING OUT AND SPOT 155 SX CMT ON CIRC. TOC AT 7707'. FILL HOLE WITH PKR FLUID. POOH TO 3846'. SPOT 20 SX CMT FROM 3846-3742'. RU WEDGE DIA-LOG AND CUT CSG AT 2528' UNABLE TO CUT CSG FREE AT 250000# PULL. FILL 7" CSG WITH WTR AND PRESSURE UP TO 1000#. BLED OFF 150# IN 15 MIN. TIH TO 2597'. SPOT 50 SX CMT PLUG 2597-2336'. POOH TO 93'. SPOT 35 SX CMT TO SURFACE. CUT OFF BRADENHEAD FLANGE. FILL 9 5/8" X 7" ANNULUS WITH 25 SX CMT. INSTALL DRY HOLE MARKER.
P&A 7/26/99



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE PRODUCTION SERVICES SUPERVISOR

DATE

7/28/99

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY :

*See Instruction on Reverse Side



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 31, 2000

Dorothy J. Huston
Route 1, Box 1110
Roosevelt, Utah 84066

Re: Water Disposal, Inc., Section 32, Township 1 South, Range 1 West, Duchesne County, Utah

Dear Ms. Huston:

Governor Leavitt's office requested that I respond to your letter (forwarded under cover letter from Senator Orrin Hatch) wherein you identify potential health issues attendant to the operation of the Chris Denver oilfield water disposal pond. This pond is operated under a permit issued by the Division of Oil, Gas and Mining (a division of the Utah Department of Natural Resources), and under a Conditional Use Permit issued by Duchesne County. In evaluating the responsibilities that accrue under these permits, I find that odor control and the nuisance or potential health hazards that may result from these odors is probably best addressed in the Duchesne County Conditional Use Permit.

I recognize that you have approached Duchesne County in this matter, and feel the need to elevate your concerns beyond the county level. Setting the ultimate authority for compliance aside, I would like to brief you on what is being done to address the issue that you have raised.

1. The pit operator has hired a consulting company knowledgeable in chemical treatment of the odors related to oilfield waters. I anticipate changes to the treatment regime that is stipulated in the Conditional Use Permit will result from this consultation. I hope of course that such changes will solve the problem that you have identified, but it may be too early to state that with certainty.

2. The Utah Division of Air Quality (Department of Environmental Quality) has assigned personnel to monitor air quality in the environs of this facility. I understand that preliminary evaluations did not encounter conditions attributable to this operation that might contribute to health and safety of nearby residents. I understand monitoring of the site is to continue for an unspecified time.

Additional compliance requirements may accrue to the pit operator, pending results of this study. I might note that my agency attempted to monitor air quality (specifically H₂S) earlier this year, but did not substantiate an issue, as the pit was shut in (inoperable) at the time.

Page 2
Dorothy J. Huston
August 31, 2000

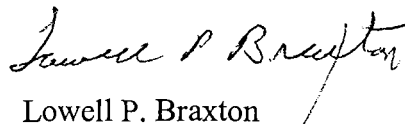
3. I have asked that the Division of Oil, Gas and Mining begin weekly inspections of this facility, the intent of these inspections being a better understanding of the operator's compliance with the terms of the permit issued by this agency.

Also, I plan to brief the Board of Oil, Gas and Mining of my agency's responsibilities on complexly permitted operations of this nature. This briefing will be a part of the Board's September meeting, which is being held September 27 at 9:00 a.m. in the Uintah County Courthouse, Commission Chambers, 152 East 100 North, in Vernal. The public is invited to this meeting.

4. I am copying this letter to Duchesne County Commissioner Thayne. After he has had an opportunity to review my letter, I plan on calling him and discussing options to address your needs in addition to those mentioned in this letter.

I appreciate your patience in dealing with this complex issue, and hope the steps described above will contribute to a satisfactory resolution of the problem.

Sincerely,



Lowell P. Braxton
Director

vb
cc: Senator Orrin G. Hatch
Commissioner Guy Thayne
Linda Kedra
Kathleen Clarke, DNR
Dianne R. Nielson, DEQ
Don Ostler, DEQ

P:\GROUPS\ADMIN\BRAXTON\O&G\denverpond.wpd

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 12 day of December, 20 00, and that the last publication of such notice was in the issue of such newspaper dated the 12 day of December 20 00.



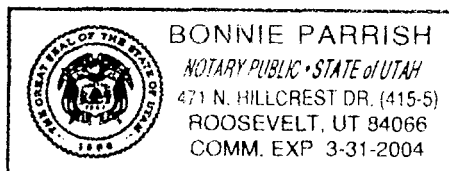
Publisher

Subscribed and sworn to before me this

14 day of December, 20 00

Bonnie Parrish

Notary Public



RECEIVED

DEC 15 2000

DIVISION OF
OIL GAS AND MINING

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-267.1
IN THE MATTER OF
THE APPLICATION OF
WATER DISPOSAL INC.
FOR ADMINISTRATIVE
APPROVAL OF THE
HARMSTON #1-32A1
WELL LOCATED IN SEC-
TION 32, TOWNSHIP 1
SOUTH, RANGE 1 WEST,
UINTA, DUCHESNE
COUNTY, UTAH, AS A
CLASS II INJECTION
WELL

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Water Disposal Inc. for administrative approval of the Harmston #1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River (Upper) Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Water Disposal Inc.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8 day of December, 2000.]

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING
Gil Hunt
for John R. Baza
Associate Director
Published in the Uintah
Basin Standard December

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	12/13/00

RECEIVED

DEC 14 2000

DIVISION OF
OIL, GAS AND MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8500YRG01
SCHEDULE	
START 12/13/00 END 12/13/00	
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
53 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	122.96
TOTAL COST	
122.96	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

--ooOoo--

IN THE MATTER OF THE :
APPLICATION OF WATER :
DISPOSAL INC. FOR :
ADMINISTRATIVE APPROVAL OF :
THE HARMSTON #1-32A1 WELL :
LOCATED IN SECTION 32, :
TOWNSHIP 1 SOUTH, RANGE 1 :
WEST, UTAH, DUCHESNE COUNTY, :
UTAH, AS A CLASS II INJECTION :
WELL :

NOTICE OF AGENCY
ACTION
CAUSE NO. UIC-267.1

--ooOoo--

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE
ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining
(the "Division") is commencing on informal adjudicative pro-
ceeding to consider the application of Water Disposal Inc. for
administrative approval of the Harmston #1-32A1 well, located in
Section 32, Township 1 South, Range 1 West, Duchesne County,
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intervene in the proceeding, must file a written protest or notice
of intervention with the Division within fifteen days following pub-
lication of this notice. If such a protest or notice of intervention is
received, a hearing will be scheduled in accordance with the
aforementioned administrative procedure rules. Protestants
and/or interveners should be prepared to demonstrate at the
hearing how this matter affects their interests.

Dated this 8th day of December, 2000.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ Gill Hunt
for John R. Bazo
Associate Director
8500YRG0

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED
ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA FOR
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.


PUBLISHED ON START 12/13/00 END 12/13/00

SIGNATURE

DATE 12/13/00

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.**

UIC INJECTION PERMIT ANALYSIS FORM

<p>R649-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.</p> <p>1. Injection wells shall be completed. Equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.</p> <p>2. The application for an injection well shall include a properly completed UIC Form 1 and the following:</p> <p>2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.</p> <p>2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.</p> <p>2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.</p> <p>2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.</p> <p>2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.</p> <p>2.6. A statement as to the type of fluid to be used for injection. its source and estimated amounts to be injected daily.</p> <p>2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.</p> <p>2.8. The proposed average and maximum injection pressures.</p> <p>2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.</p> <p>2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.</p> <p>2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.</p> <p>2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.</p> <p>2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.</p>	<p>Completed Items, Needed Items, & Comments</p> <p>1. No comment needed.</p> <p>2. No comment needed.</p> <p>2.1. Full requirements waived.</p> <p>2.2. We have 5 logs on file. The referenced Dual Induction Log is not on file. We have no SP or useful resistivity logs and the CNL is the only useful porosity log available.</p> <p>2.3. The Cement Bond Log on file is not, for several reasons, of sufficient quality to permit a workmanlike log evaluation for purposes of rendering an opinion concerning the cement quality in support of issuing an injection permit. A new CBL will need to be run to evaluate cement quality before the division will issue an injection permit.</p> <p>2.4. No Comment needed.</p> <p>2.5. A casing diagram and short text description of the casing is provided but no method is proposed for the testing of the casing prior to use of the well for injection. This is a requirement to procure an injection permit.</p> <p>2.6. Acceptable.</p> <p>2.7. The analysis of the injectate is acceptable. Analytical documentation is required for responses to (2) and (3) however.</p> <p>2.8. We need to know if these pressures are to be measured at the surface or injection zone depth.</p> <p>2.9. The evidence and data (Step Rate Test analysis) need to be provided with the application or at least timely for the purposes of processing the application for an injection permit.</p> <p>2.10. Your geologic data should include correlated (identified named formations and correlative zones) strike and dip cross sections with 2 or 3 other wells on either side of the subject well on both cross sections and hung on a relevant geologic marker. It should also include a structure contour map on a relevant geologic marker. The cross section logs should include gamma tracks and be composed with porosity or resistivity logs (the emphasis is on correlation, documentation of lithologies, confining layer thicknesses and geophysical properties and legibility).</p> <p>2.11. No offset wells.</p> <p>2.12. Acceptable.</p> <div style="text-align: right; margin-top: 20px;">  </div>
---	--

OTHER COMMENTS AND OBSERVATIONS:

Reviewed by: Christopher Kierst Date: 12/18/2000

Harmston #1-32A1
Sec. 32, T1S, R1W
Duchesne County, Utah

Received from Vince Guinn 4/17/2001
CL

Well Data

Depth: 13,000' TD

Casing: 9-5/8", 36#, K-55 set at 2500'
7", 26", S-95 set surface to 10,508'
5", 18#, S-95 set 10,315' to 13,000'

Tubing: 2-7/8", 6.5#, N-80 tubing

Packer: Arrow Set 1 set

Perfs: Upper Green River perfs 8596' to 9438'
Lower Green River perfs 9445' to 9923'
Wasatch perfs 10,084' to 12,859'

Procedure

1. Blade location and set anchors. Dig out seller and remove surface cement. MIRU service rig. PU casing spear and spear 7" casing. Back off top joint. Install replacement top joint with threads on top. Screw on well head. NU BOP.
2. PU 6-1/8" bit on 2-7/8" tubing and TIH. Drill and clean out hole to 9550'. Set CIBP at 9520'. Bail set 2 sx cement on top.
3. PU 7" packer on 2-7/8" tbg. and TIH to 9450' and spot 500 gal 15% HCL w/ additives. POOH to 8900' and reverse acid into tbg. Set packer. Let soak for 1 hour and displace into perfs. at 1/4 bpm.
4. Swab back acid and clean up well. After all load recovered, get water sample for analysis. Run scale analysis with swab-injection water mix.
5. Run pump in test for injection rate. If sufficient, proceed to step 6. If not reacidize w/ 5000 gal. at 10 bpm. Swab back load.
6. Run step rate test. ND BOP and NU well head. RD and release rig.

Bradley 1931	Picard 1957	Weiss 1990	Remy 1992	Lomax Unpub	UGS 1999
<p>_____ ?</p> <p>Delta Facies</p>	<p>Green Shale Facies</p>	<p>Base of the Mahogany oil shale zone</p>		<p>Garden Gulch</p> <p>Douglas Creek</p> <p>— <i>B limestone</i></p> <p>Lower Douglas Creek</p>	<p>— MGR 12</p> <p>— MGR 7</p> <p>— MGR 3</p> <p>Middle Member</p>
		<p>Middle Member</p>	<p>Transitional Facies</p> <p>— <i>C marker</i></p> <p>Delta Facies</p> <p>— <i>D marker</i></p>		
<p>Second Lacustrine Tongue</p> <p>Colton Tongue</p> <p>First Lacustrine Tongue</p>	<p>Black Shale Facies</p>	<p><i>Carbonate marker bed</i></p> <p>Lower Member</p>	<p><i>Carbonate Marker Unit</i></p>	<p>Castle Peak</p> <p>Uteland Butte</p>	<p><i>CMU (carbonate marker unit)</i></p> <p>LGR 1-5</p> <p>Lower Member</p>

Figure 1. Generalized nomenclature for the Green River Formation (below the Mahogany oil zone) for the south-central to southwest Uinta Basin.

The following lists those responding to the Water Disposal Inc. UIC application notice:
Note: some of the names were illegible so the spelling may be different.

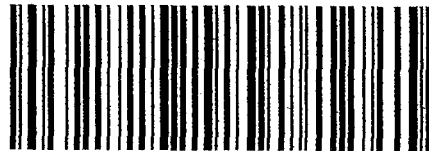
Objectors:

Devon Energy Production Co.
Mr. & Mrs. Powell
Dorothy J. Huston
Charmaine Hurley
Dean & Lisa Carter
Bill & Tammie Pierce
Mary Stewart
Rowland Payne
Gale P. & Paula Smith
Steven & Jennifer Horrocks
Floyd Horrocks
Roger & Ada Horrocks
Eric & Jalene Danut
Katherine Orr
Cory & Susie Dye
Leroy & Nancy Pectol
Francine Fenn
Jeff & Carol Allred
Byron & Misty Allred
Kim Hall

Supporting:

Duchesne County Commission; signed by Guy Thayne and Larry Ross.

Dorothy Huston
RR 1 Box 1110
Roosevelt, UT 84066



7000 0520 0024 4708 3330

*State of Utah
Department of Natural Resources
Division of Oil, Gas + Mining
P.O. Box 145801
1594 West North Temple, suite 1210
Salt Lake City, Ut. 84114-5801*

Attention Mr Gil Hunt.



9264

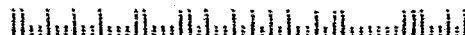


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PLACE STICKER AT TOP OF ENVELOPE
TO THE RIGHT OF RETURN ADDRESS.
FOLD AT DOTTED LINE

CERTIFIED MAIL

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

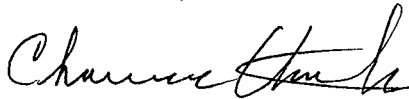
ATTENTION; MR. JOHN BAZA

CAUSE NO. UIC-267.1

IN THE MATTER OF THE APPLICATION OF WATER DISPOSAL INC. FOR
ADMINISTRATIVE APPROVAL OF THE HARMSTON NO.1-32A1 WELL
LOCATED IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 1 WEST,
DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

I WISH TO OBJECT TO THIS APPLICATION.

SINCERELY,.



CHARMAINE HURLEY
RT. 1 BOX 1106
ROOSEVELT, UTAH 84066

RECEIVED

DEC 18 2000

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

ATTENTION; MR. JOHN BAZA

CAUSE NO. UIC-267.1

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DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

I WISH TO OBJECT TO THIS APPLICATION.

Dean A. Carter
Dean A. Carter

Lisa Carter
Lisa Carter

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DEC 19 2000

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

ATTENTION; MR. JOHN BAZA

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DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

I WISH TO OBJECT TO THIS APPLICATION.

Bill Pierce

Bill Pierce

Tammie Pierce



Rt 1 Box 1105

Roosevelt UT

84066

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DEC 20 2000

DIVISION OF
OIL, GAS AND MINING

December 13, 2000
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
P.O. Box 145801
1594 West North Temple, Suite 1210
Salt Lake City, Ut. 84114-5801
Mr. Gil Hunt (for John R. Basa)
Associate Director

Dar Sir,

Re: Cause No. UIC-267.1

In the matter of the application of Water Disposal Inc.:
I wish to protest the approval of the use of the Harmston #1-32A1 well, located in Sec, 32, township 1 South, Range 1 West, Uinta, Duchesne Co, Utah, as a class II injection well.

Thank You'
(Mrs.) Dorothy J. Huston
R. 1 Box 1110'
Roosevelt, Ut 84066

(Mrs) Dorothy Huston

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DEC 21 2000

DIVISION OF
OIL, GAS AND MINING

Cause # U.I.C.-267.1

In this case of Application of water Disposal
Inc. for Administration approval of the Harmston
1-32A1 well located Sec.32 Township 1 south,
Range 1 west Duchesne County, Utah as a
Class 2 injection well. I wish to state my
Objection to this application.

H.M. & B.A. Cooper
HC 66 Box 6 D
Roosevelt, Utah 84066



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DEC 21 2000

DIVISION OF
OIL, GAS AND MINING



ENERGY PRODUCTION COMPANY, L.P.

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone: (405) 235-3611
Fax: (405) 552-4667

December 12, 2000

State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple
Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Gentlemen:

Attached is an "Application For Injection Well" dated November 18, 2000 (postmarked November 30, 2000) from Water Disposal Inc. to commence disposal operations at the Harmston 1-32A2 located in the NE SW Section 32-T1S-R1W Duchesne Co., Utah. The proposed injection intervals of 9060' - 9440' correlate to intervals in our offsets that are potentially productive. Good mud log shows with oil in the drilling mud were experienced when drilling these intervals.

An examination of the offset wells indicate good mud log shows as shallow as the Mahogany Bench indicating possible undeveloped reserve potential between the Mahogany Bench and the TGR 3. Therefore, in order to protect potential commercial intervals we would request that no injection be allowed below the Mahogany Bench (approximately 7800' in the subject well).

Sincerely;

Randy Jackson
Operations Engineering Advisor

12/22
msg. PA'd well
Need permit to re-enter
well first. Reg. by msg.

XCK working on permit
will be back Jan. 5 2001

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DEC 21 2000

DIVISION OF
OIL, GAS AND MINING

Cause #U.I.C.-267.1

In this case of Application of water disposal Inc.
for Administrative approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.

Signature

Rogers J Powell

Address

Lathlen McDowell

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DIVISION OF
OIL, GAS AND MINING

RRF 1108

Roosevelt ut-

84066

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UICFORM1

APPLICATION FOR INJECTION WELL

Name of Operator Water Disposal, Inc.	Utah Account Number N	Well Name and Number Harmston 1-32A1
Address of Operator P.O. Box 85 CITY Roosevelt STATE UT ZIP 84066	Phone Number (435) 722-0134	API Number 43-30224
Location of Well Footage: 2215' FSL & 1826' FWL (NESW) County: Duchesne QQ, Section, Township, Range: NESW 32 T1S R1W State: UTAH		Field or Unit Name Bluebell
		Lease Designation and Number Fee

Is this application for expansion of an existing project? Yes ☐ No ☒

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒
Date of test: _____

Proposed injection interval: from 9,060 to 9,440

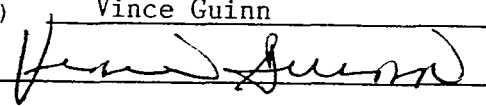
Proposed maximum injection: rate 5,000 pressure 4,300 psig

Proposed injection zone contains soil, gas ☐ and/or ☐ water within 1/2 mile of the well.

List of attachments: _____

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Vince Guinn Title Petroleum Engineer
Signature  Date 11/18/2000

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DIVISION OF
OIL, GAS AND MINING

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrtive approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signiture *Rona L Powell*
Address *Lathen McAnell*

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DEC 21 2000

**DIVISION OF
OIL, GAS AND MINING**

*RRF 1108
Roosevelt ut-
84066*

Kim Hall
R2, Box 2761
Roosevelt, Ut 84066



000 0520 0024 4707 6509



9264



84114

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State of Utah Department of Natural Resources
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

ATTN: Mr. Gil HUNT

12-20-00

To: Mr. Baza

From: Jeff + Carol Allred

1643 N. Crescent Road

P.O. Box 131

Roosevelt, Utah 84066

Re: Application for Injection Well

Cause # UIC - 276.1

Harmston 1-32A1

API # 43-30224

Bluebell Field

Duchesne County

State of Utah

2215' FSL + 1826' FWL (NESW)

NESW 32 T1S R1W

We the above named would like to oficilly protest
the application for the above named injection well.

Sincerely

Jeff + Carol Allred

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DIVISION OF
OIL, GAS AND MINING

Dear Mr. Baya;

12-20-00

Re. Cause # ULC - 276.1

Injection well at

Harmston 1-32A1 API# 43-30224

Bluebell Field, Duchesne County, Utah

2215' FSL + 1826' FWL (NE SW)

NE SW 32 T1S R1W

We wish to protest the application for the above injection well. Please inform us of any public meetings concerning this matter

Byron + Misty Allred
1643 W. Crescent Road
P.O. Box 131
Roosevelt, Utah 84066

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DEC 22 2000

DIVISION OF
OIL, GAS AND MINING

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrative approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signature

Address

Francine Fenn
P.O. Box 588
Roosevelt, Utah

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DEC 22 2000

**DIVISION OF
OIL, GAS AND MINING**

RECEIVED

DEC 22 2000

Send to: John Baza
State of Utah
Division of oil, gas, and mining.
P.O. Box 145801
Salt Lake City, Ut 84114-5801

DIVISION OF
OIL, GAS AND MINING

Attn. John Baza

Cause #U.I.C.-267.1

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for Administrative approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.

Signature

Address

Leroy F. Pectol
Rt #1 Box 1055
Roosevelt, Utah
84066

Nancy E. Pectol
Rt 1 Box 1055
Roosevelt, Ut. 84066

PS: WE LIVE JUST EAST OF THE PROPOSED INJECTION
WELL AND HAVE (8) RENTAL UNITS PLUS OUR OWN HOME
AND WE ARE ON PRIVATE WATER WELLS NOW. PLEASE
ASK MR. DENVER TO TAKE HIS BUSINESS OUT OF TOWN.
WE HAVE HAD ENOUGH OF HIS EVAPORATION PONDS
AND NOW HE WANTS TO DO THIS RIDICULOUS THING. YOU
KNOW WE HAVE RIGHTS TO HEALTHY AIR AND WATER.

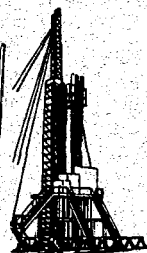
UTAH ROYALTY OWNERS ASSOCIATION

Leroy Pectol
President
1994 - 1995

P.O. Box 1292 • Roosevelt, Utah 84066
(801) 722-4289

Sincerely

Leroy



Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrative approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signature

Address

Francine Fenn
P.O. Box 588
Roosevelt, Utah

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DEC 22 2000

DIVISION OF
OIL, GAS AND MINING

RECEIVED

DEC 26 2000

DIVISION OF
OIL, GAS AND MINING

December 13 ,2000
State of Utah
Department of Natural Resources
Division of Oil,Gas and mining
P.O Box 145801
1594West North Temple, suite1210
Salt Lake City, Ut. 84114,5801
Mr. Gil Hunt (for John R. Basa)
Associate Director

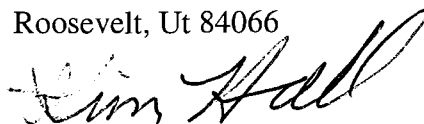
Dar Sir,

Re: Cause No. UIC-267.1

In the matter of the application of Water Disposal Inc.:
I wish to protest the approval of the use of the Harmston #1-32A1 well, located in Sec,
32, township 1 South, Range 1 West, Uinta, Duchesne Co, Utah, as a class II injection
well.

Thank You'

Kim Hall
Roosevelt, Ut 84066



December 22, 2000

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DEC 26 2000

**DIVISION OF
OIL, GAS AND MINING**

John Baza
State of Utah
Division of Oil, Gas & Mining
P O Box 145801
Salt Lake City, UT 84114-5801

Subject: Cause #U.I.C.-267.1 Application of Water Disposal Inc, for Administrative approval of the Harmston #1 32A1 Well located Section 32, Township 1 South, Range 1 West, Duchesne County, Utah as a Class 2 Injection Well.

Dear Mr. Baza:

This letter is to notify you that my husband (Rick Stewart) and I we are totally against any kind of well to be newly constructed or to have any existing well be extended in this above mentioned subject. We live about one mile west of this well and the smell from the owner NOT PROPERLY adding chemicals so that the waste water is disposed of properly and without harm to those who live near are not in physical danger is so terrible almost all of the time, that it is unbearable to be outside and in the summertime the smell still comes in to home through ventilation and air conditioning.

Chris Denver should not be allowed any kind of new approval or amendment to enlarge any existing water disposal in this area or other areas where residential homes are located. I am POSITIVE that Chris would NEVER ALLOW HIS OWN FAMILY to live around the hideous smell that permeates from his negligence to properly dispose of this waste water.

One more item of importance here. I received a copy of an State of Utah application submitted by Chris Denver and a petroleum engineer named Vince Guinn about 2-3 weeks ago regarding this very water disposal location. There was NO TELEPHONE NUMBER to call or ADDRESS & NAME of person to call to respond to this application so I had to look Vince Guinn's telephone number up in the Uintah Basin telephone directory (and hope that it was not unlisted). I finally received a phone call from Mr. Guinn about 4 days later and this is the information that I received from him:


1. The application was not for a new water disposal.
2. The was to remedy an existing application to "clear up" the smell and remove the water disposal pit ENTIRELY from this location.
3. Wouldn't I want that to happen and be approved ?
4. Chris Denver's goal was to ENTIRELY REMOVE ALL WATER DISPOSAL ACTIVITIES FROM THIS LOCATION and thus the purpose for the application.

Vince Guinn TOTALLY mislead me as to what the application was for and lied to me about the purpose of Chris Denver's new application for an additional water disposal pit at the above named site. I feel that Vince Guinn, as a Petroleum Engineer, should have a consequence regarding his status and license for misleading and lying to me for the purpose of financial gain.

I would appreciate a response to this letter as to the status of Chris Denver's application for new and/or additional water disposal ventures. I am also requesting to be better informed, along with my neighbors who live near this water disposal location of what is or is not being applied for and approved regarding water disposal pits in the above mentioned location.

Your attention and response in this matter would be greatly appreciated. Below is information of how you can respond to me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mary Stewart". The signature is written in dark ink and is positioned above the printed contact information.

Mary Stewart, Duchesne County Citizen
HC 66 Box 6B
Roosevelt, UT 84066
(435) 353-4990 Home
(435) 722-5446 Work

Send to: John Baza

State of Utah

Division of oil, gas, and mining.

P.O. Box 145801

Salt Lake City, Ut 84114-5801

Attn. John Baza

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrative approval of the Harmston #**

**1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signature

Address

Cory Dye
Susie Dye
RT. 1 Box 1089
Roosevelt, Utah
84066

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DEC 27 2000

**DIVISION OF
OIL, GAS AND MINING**

Send to: John Baza

State of Utah

Division of oil, gas, and mining.

P.O. Box 145801

Salt Lake City, Ut 84114-5801

Attn. John Baza

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrative approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signature

Address

*Roger + Ada Harrocks
H.C. 66 Box 8-2
Roosevelt, Utah 84066
(435-353-4699)*

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(10-11-80)

DIVISION OF
OIL, GAS AND MINING

Dec 27, 2000

Send to: John Baza

State of Utah

Division of oil, gas, and mining.

P.O. Box 145801

Salt Lake City, Ut 84114-5801

Attn. John Baza

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrtive approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signature

Address

*Eric + Julie Danu
HC 66 Box 8-C
Roosevelt, UT. 84066
(435) 353-4704*

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DEC 27 2000

DIVISION OF
OIL, GAS AND MINING

12/27/2006

**Send to: John Baza
State of Utah
Division of oil, gas, and mining.
P.O. Box 145801
Salt Lake City, Ut 84114-5801**

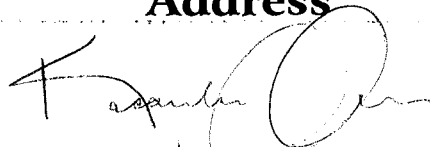
Attn. John Baza

Cause #U.I.C.-267.1

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injection well. I wish to state my objection to
this application.**

Signature

Address



338 CARMA AVE
ROOSEVELT, UT 84066

[I have family^{and friends} in the area and do visit often]

RECEIVED

DEC 27 2006

DIVISION OF
OIL, GAS AND MINING

Send to: John Baza

State of Utah

Division of oil, gas, and mining.

P.O. Box 145801

Salt Lake City, Ut 84114-5801

Attn. John Baza

Cause #U.I.C.-267.1

**In this case of Application of water Disposal Inc.
for Administrtive approval of the Harmston #
1-32A1 well located Sec. 32 township 1 south,
range 1 west Duchesne County, Utah as a class 2
injection well. I wish to state my objection to
this application.**

Signiture *Rowland Payne*

Address *HC 66 Box 8 B2*

Roosevelt ut,

84066

RECEIVED

NOV 19 2000

**DIVISION OF
OIL, GAS AND MINING**

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this application.**

Signature

Address

Paula P. Smith

Paula Smith

HC 66 Box 8-D

Roosevelt, Utah 84066

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25-29-2008

**DIVISION OF
OIL, GAS AND MINING**

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this application.**

Signature

Address

Steven & Jennifer Horrocks
HC66 BOX 8B-1

Roosevelt, Utah
84066

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1986-03-10

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P.O. Box 145801

Salt Lake City, Ut 84114-5801

Attn. John Baza

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Signature

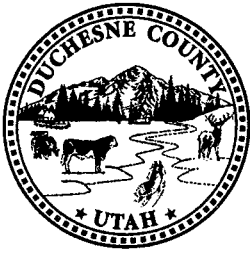
Address

Floyd A. Horrocks
HC-66 Box 88/5116 No. Hwy 121
Roosevelt Utah 84066

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APR 11 1972

OFFICE OF
THE ATTORNEY GENERAL



Duchesne County Commission

Guy R. Thayne (Chairman)

Larry S. Ross (Member)

Lorna Stradinger (Member)

P.O. Box 270

Duchesne, Utah 84021

February 20, 2001

Division of Oil Gas and Mining

Mr. Lowell Braxton – Director

Mr. John Baza

Dear Lowell,

To control the smell from surface ponds owned by Water Disposal Inc, North and West of Roosevelt City, the Duchesne County Commission supports the application by Mr. Chris Denver to inject existing pond water and future production water into the existing Harmston 1-32 A 1 plugged well. Our recommendation assumes that the injection well meets the injection well criteria as set forth in the division rules. Draining the ponds and controlling the flows into the well should satisfy the smell and perceived health issues.

During the winter months the smell has been somewhat controlled by the air temperature. As we approach springtime the bacteria will again be activated and create the same circumstances as before.

We encourage the division to complete its review and make a decision as soon as possible. Please inform the County Commission and the Planning Department as the process moves forward.

Thank you for your assistance.

Sincerely,

Duchesne County Commission

cc: Chris Denver

SEARCHED
SERIALIZED
INDEXED
FILED
FEB 21 2001
OIL & GAS DIVISION

TRANSACTION REPORT

P.01

JAN-19-2001 FRI 05:14 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
JAN-19	05:13 PM	17132971991	46"	2	SEND	OK	919	

TOTAL : 46S PAGES: 2



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: JANUARY 19, 2001

FAX #: 1-713-297-1991

ATTN: BILL COOPER

COMPANY:

DEPARTMENT:

NUMBER OF PAGES: (INCLUDING THIS ONE) 2

FROM: CHRIS KIERST



State of Utah
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COMPANY: *BILL COOPER*

DEPARTMENT:

NUMBER OF PAGES: (INCLUDING THIS ONE) 2

FROM: CHRIS KIERST

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TRANSACTION REPORT

P. 01

JAN-24-2001 WED 09:38 AM

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801 359 3940

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JAN-24	09:33 AM	17132971991	5' 06"	17	SEND	OK	963	

TOTAL : 5M 6S PAGES: 17



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DIVISION OF OIL, GAS AND MINING

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801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: JANUARY 24, 2001

FAX #: 713-297-1991

ATTN: CARL LINDBERG

COMPANY: COASTAL

DEPARTMENT:

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FROM: CHRIS KIERST

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
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Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
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UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

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COMPANY: COASTAL

DEPARTMENT:

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MESSAGES:

Carl Lindberg
Coastal
(713) 297-1991 (FAX)

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WATER DISPOSAL, INC.

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

HARMSTON #1-32A1

BLUEBELL FIELD

API # 43-013-30224

NOVEMBER 29, 2000

*UIC - 267.1
Jc*

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DEC 01 2000

DIVISION OF
OIL, GAS AND MINING

Table of Contents

Introduction and directions

I. UID Form 1

II. Plat of Well Location

- A. One half mile radius
- B. Listing of all operators of any lands or producing leases.
- C. Listing of surface owners.
- D. All abandon, active, or inactive wells.

III. Copies of all electric or radioactive logs on file with division of OGM.

- A. DIL w/ SP ———— *Where?*
- B. CNL w/ GR
- C. CBL w/ nonusable GR

IV. Existing casing in well.

- A. 9-5/8", 36#, K-55 casing from surface to 2,500'.
- B. 7", 26#, S-95 casing surface to 10,300'.

V. Injected fluid to consist of produced water from the Wasatch and Green River formations.

- A. Estimated volume to be 5,000 barrels per day.
- B. Water analysis of water to be injected.

VI. Estimated injection pressures.

- A. Average injection pressure to be 1,000 psi.
- B. Maximum injection pressure to be 4,300 psi. (.5 psi./ ft. est.)

VIII. Step rate test to be performed following restoration of surface and subsurface equipment.

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- A. Geologic name
- B. Lithologic description, thickness, depth, water quality, and lateral extent
- C. Geologic structure information concerning the surface location.

X. Review of mechanical condition of all wells within a ½ mile radius of the well.

- A. No other wells are within the ½ mile radius of the well.

XI. Affidavits of certification concerning notification of all operators and surface owners within the ½ mile radius.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Water Disposal, Inc.	Utah Account Number N	Well Name and Number Harmston 1-32A1
Address of Operator P.O. Box 85 CITY Roosevelt STATE UT ZIP 84066	Phone Number (435) 722-0134	API Number 43-30224 43-013-30224
Location of Well Footage: 2215' FSL & 1826' FWL (NESW) County: Duchesne QQ, Section, Township, Range: NESW 32 T1S R1W State: UTAH		Field or Unit Name Bluebell
		Lease Designation and Number Fee

Is this application for expansion of an existing project? Yes ☐ No ☒

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒
Date of test: _____

Proposed injection interval: from 9,060 to 9,440

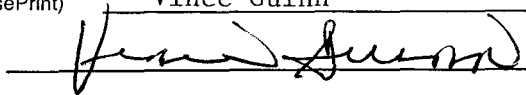
Proposed maximum injection: rate 5,000 pressure 4,300 psig

Proposed injection zone contains soil, gas ☐ and/or ☐ water within 1/2 mile of ☐ well.

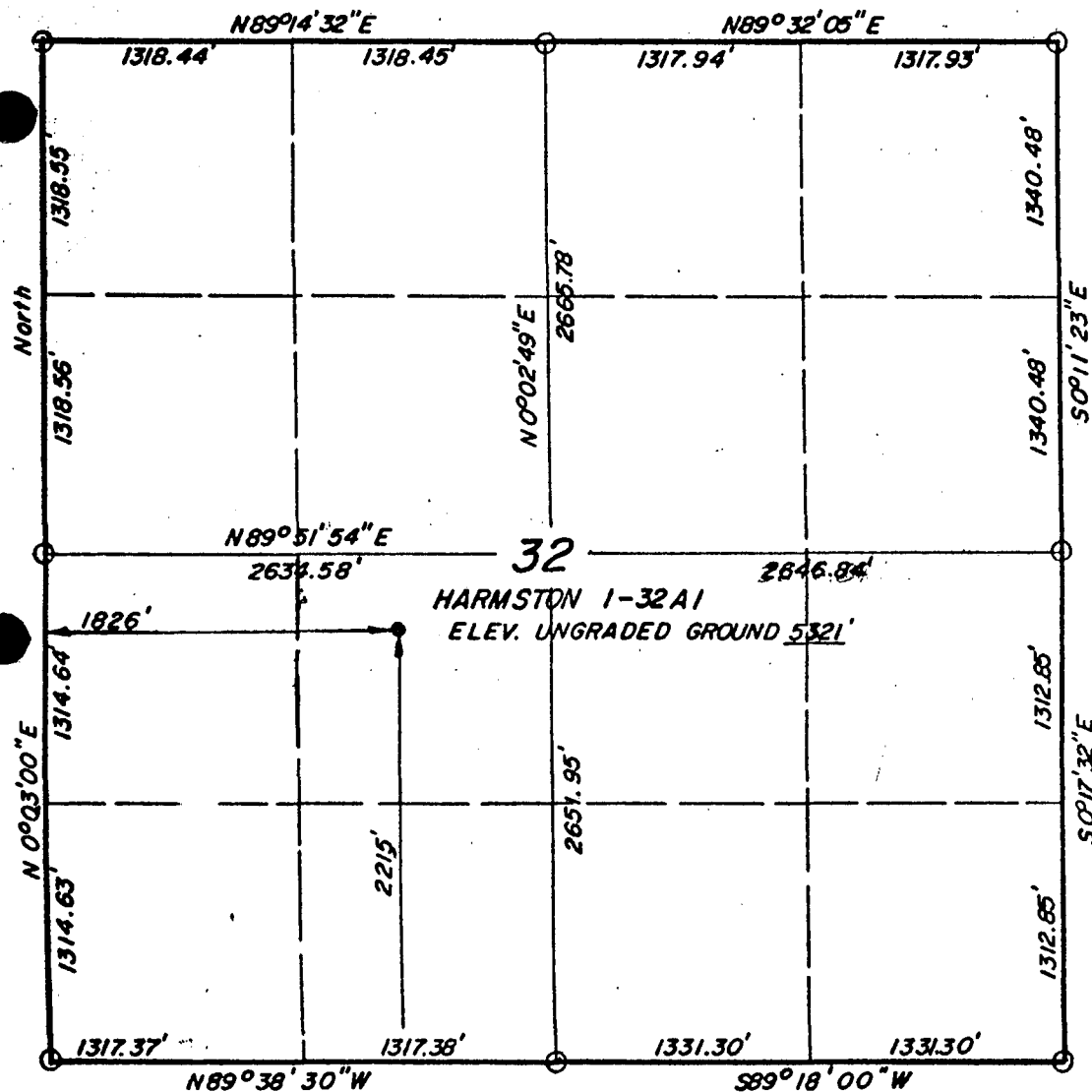
List of attachments: _____

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Vince Guinn Title Petroleum Engineer
Signature  Date 11/18/2000

TIS, RIW, U.S.M.



○ = Corners located or re-established

CHEVRON OIL CO.

WELL LOCATION, HARMSTON 1-32A1, IN THE NE 1/4
SW 1/4 SECTION 32, TIS, RIW, U.S.M., DUCHESNE
COUNTY, UTAH

ELEV. REF. POINT 200' WEST = 5329.88'
" " " 250' " = 5331.04'
" " " 300' NORTH = 5320.37'
" " " 350' " = 5321.40'

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Nelson Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised 15 Jan. 73

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE
1" = 1000'

DATE
11 Jan. 73

PARTY
NM BR RR MS CF

REFERENCES
G L O

WEATHER
VE... OLD

FILE

PENNZOIL
TOMLINSON
1-25A2

BADGER
BOOM BOOM
2-29A1

PENNZOIL
SUMMARELL
1-30A1

PENNZOIL
DYE 1-29A1

PENNZOIL
McELPRANG
1-31A1

PENNZOIL
TAYLOR
1-36A2

UTEX
McELPRANG
2-31A1

PENNZOIL
HARMSTON
1-32A1

PENNZOIL
PACK 1-33A1

PENNZOIL
LAMICO RBRTSN. ST.
2-1B2

PENNZOIL
LAMICO-STATE
1-6B1

PENNZOIL
UTE 9-4B1

121

LA Flat

Colwood

Dillon

Devon

THE

CRESCENT

UT
LA
C

II-B Operators

Devon Energy Corporation, P.O. Box 290, Neola, Utah is the operator in the east half of section 31, T1S, R1W and north half of section 5, T2S, R1W, Duchesne County, Utah.

II-C Surface Owners

Max Rasmussen
Lloyd Rasmussen
Norman Rasmussen
RR 1 Box 2857
Roosevelt, Utah 84066-9557

Bernice Nelson, Diane &
Orel Babcock, Lloyd
Gardner, Calvin Gardner,
Bert R. Gardner, Beryl
Root, Melba Swain
11381 South 1300 West
So. Jordan Utah 84095-8237

Reed & Darlene Abegglen
RR 1 Box 1112
Roosevelt, Ut 84066-9706

Tim & Sandra Heins
P.O. Box 143
Roosevelt, Ut 84066-0143

James L. & Marilyn L.
Steinmetz
RR 1 Box 1115
Roosevelt, Ut 84066-9707

Juanita Suggett
6379 Jeff St.
San Diego, Ca 92115-6710

Duane H. & Jackie M.
Thacker
HC 66 Box 6A
Roosevelt, Ut 84066-9301

Rickey L. & Mary A.
Stewart
RR 1 Box 6
Roosevelt, Ut 84066-8901

Clark B. & Arva M
Abegglen
1279 N. 2500 W.
Vernal, Ut 84078-9610

Charles Brad. & Shelley
Elaine Crozier
P.O. Box 305
Neola, Ut 84053

Rodney O. & Deanna K.
Bell
HC 66 Box 6C
Roosevelt, Ut 84066-9301

Larry D. & Karen M..
Anderton
P.O. Box 71
Roosevelt, Ut 84066

George A. Kennedy
P.O. Box 1675
Roosevelt, Ut 84066

C. Wes & Rebecca C.
Wilson
P.O. Box 1735
Roosevelt, Ut 84066

Richard Johnson
4917 SE Church Hill Way
Lawton, Ok 73501-6405

Teresa Harmston
510 E. Lagoon (121-2)
Roosevelt, Ut 84066

Gordon E. Harmston,
Karma D. Miller, Howard
L. Harmston, Lee Y.
Harmston,
672 E. 4149 S.
SLC, Ut 84107-2934

Gwendolyn H. Duncan
RR 1 Box 1166
Roosevelt, Ut 84066

Bryce E. & Virginia M.
Wamsley
RR 1 Box 1116
Roosevelt, Ut 84066-9707

Louis M. & Rodena L.
Mannett
19833 Ban Ducci Rd.
Tehachapi, Ca 93561-7725

Irvin J. & Dorothy J.
Huston
RR 1 Box 1110
Roosevelt, Ut 84066-9706

Aaron & Kristie L.
Manning
RR 3 Box 3176
Roosevelt, Ut 84066-9602

Jeff B. & Carol A. Allred
P.O. Box 131
Roosevelt, Ut 84066-0131

Don S. & Debra K.
Richards
357 N. 600 E.
Roosevelt, Ut 84066

Water Disposal Inc.
P.O. Box 85
Roosevelt, Utah 84066

Cory C. & Pamela Duncan
ElRay Duncan
RR 1 Box 1170
Roosevelt, Ut 84066-9711

Clyde H. Larsen & Sons
Construction
7173 S 700 W.
Midvale, Ut 84046-6600

Ned B. Mitchell
Construction, Inc.
P.O. Box 186
Altamont, Ut 84001-0186

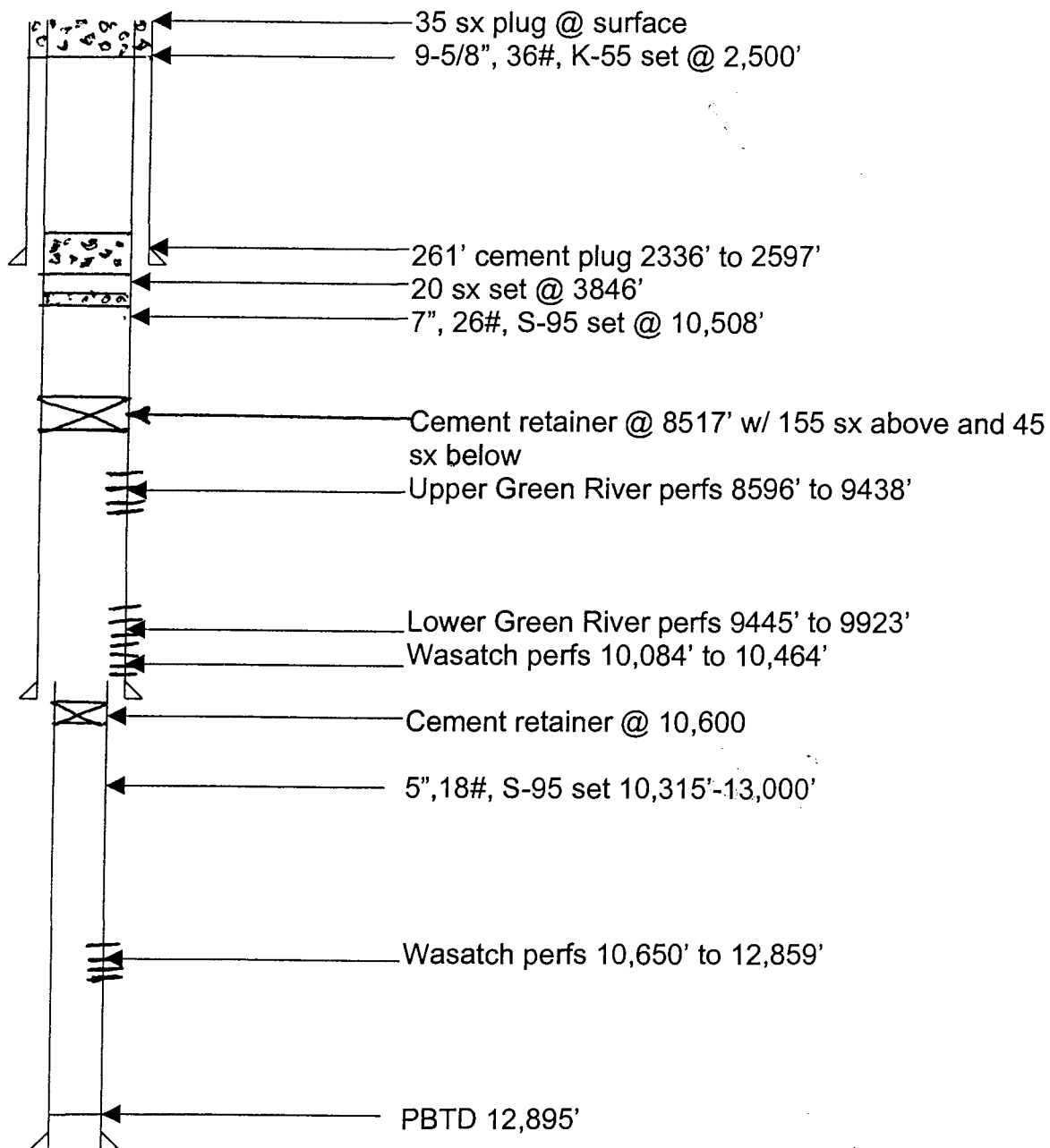
Reed Call
24 E. 8680 S.
Sandy, Ut 84070-1510

Jay O'Driscoll
280 N. Poco Dr. (10-11)
Roosevelt, Ut 84066-3407

II-D Abandon, Active, or Inactive Wells

No other wells exist or have existed within the $\frac{1}{2}$ mile radius.

HARMSTON #1-32A1
 Sec. 32, T1S, R1W
 Duchesne County, Utah





2060 SOUTH 1500 EAST
VERNAL, UTAH 84078

V-B

Water to be injected

Telephone (435) 789-4327

Water Analysis Report

Customer : Water Disposal Inc.

Date Sampled : 10-Nov-00

Date Reported : 14-Nov-00

Date Received : 13-Nov-00

Address :

City : Roosevelt

State : UT **Postal Code :**

Field : Roosevelt

Lease : Roosevelt

Location : Disposal Well

Sample Point : wellhead

Attention : Chris Denver

cc1 :

cc2 :

cc3 :

Comments :

Salesman : Ed Schwarz

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 224 mg/l
Magnesium : 165 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 25.0 mg/l
Sodium : 4440 mg/l

ANIONS

Chloride : 6,400 mg/l
Carbonate : 300 mg/l
Bicarbonate : 1,776 mg/l
Sulfate : 395 mg/l

pH (field) : 8.11
Temperature : 85 degrees F
Ionic Strength : 0.22
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.0150 grams/ml
Total Dissolved Solids : 13,725 ppm
CO2 in Water : 1 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 258.0 mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : 2.44
Calcite (CaCO3) SI @ 100 F : 2.60
Calcite (CaCO3) SI @ 120 F : 2.81
Calcite (CaCO3) SI @ 140 F : 3.02
Calcite (CaCO3) SI @ 160 F : 3.25
Gypsum (CaSO4) SI : -1.63
Barite (BaSO4) SI : N/A
Celestite (SrSO4) SI : N/A

Calcite PTB : 194.8
Calcite PTB @ 100 F : 195.1
Calcite PTB @ 120 F : 195.4
Calcite PTB @ 140 F : 195.6
Calcite PTB @ 160 F : 195.7
Gypsum PTB : N/A
Barite PTB : N/A
Celestite PTB : N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

IX. Description of injection interval

- A. The zone to be injected into will be the upper Green River formation. R649-5-2-2.10
- B. The zone is a lenticular mix of shale and sand stone. Total thickness is 1360 feet at a depth of 9070' to 10,430'. R649-5-2-2.10
- C. The upper Green River zone is found as an oil and gas bearing zone throughout a larger portion of the Uinta. Response to R649-5-2-2.10
- D. Water swabbed from the interval 8596' – 9438' during a recompletion effort in April, 1988. Water analysis done at that time indicated that TDS was 20 to 30,000 PPM and very high in sodium bicarbonate. R649-5-2-2.7 (a) ??
- E. The zone to be injected into is bound below by a 450 foot thick section of red bed and above by a 30 foot thick section of nonporous rock at 8100'. R649-5-2-2.10
- F. Potable water in the area can be found as deep as the Duchesne River formation which is found to be as deep as 2600' in this area. The Uinta formation found below the Duchesne River has usually high TDS and ammonia.

X. Review of mechanical condition of all wells within a $\frac{1}{2}$ mile radius

No wells are found within the $\frac{1}{2}$ mile radius.

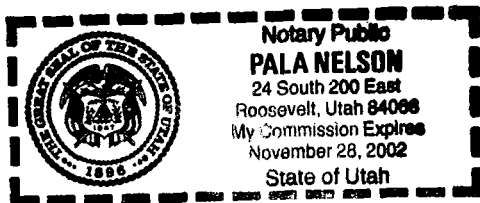
XI. Affidavit

November 29, 2000

I, Chris Denver, as owner of Water Disposal, Inc., do here by certify that I have notified all operators and surface owners within the ½ mile radius of the Harmston 1-321A1 abandon wellbore.

Water Disposal, Inc. by: Chris Denver Date: 11/30/00
(signature):

(witness): Pala Nelson Date: 11/30/00



Harmston #1-32A1
Sec. 32, T1S, R1W
Duchesne County, Utah

Received from Vince Quinn 11/17/2001
CK

Well Data

Depth: 13,000' TD

Casing: 9-5/8", 36#, K-55 set at 2500'
7", 26", S-95 set surface to 10,508'
5", 18#, S-95 set 10,315' to 13,000'

Tubing: 2-7/8", 6.5#, N-80 tubing

Packer: Arrow Set 1 set

Perfs: Upper Green River perfs 8596' to 9438'
Lower Green River perfs 9445' to 9923'
Wasatch perfs 10,084' to 12,859'

Procedure

1. Blade location and set anchors. Dig out seller and remove surface cement. MIRU service rig. PU casing spear and spear 7" casing. Back off top joint. Install replacement top joint with threads on top. Screw on well head. NU BOP.
2. PU 6-1/8" bit on 2-7/8" tubing and TIH. Drill and clean out hole to 9550'. Set CIBP at 9520'. Bail set 2 sx cement on top.
3. PU 7" packer on 2-7/8" tbg. and TIH to 9450' and spot 500 gal 15% HCL w/ additives. POOH to 8900' and reverse acid into tbg. Set packer. Let soak for 1 hour and displace into perfs. at 1/4 bpm.
4. Swab back acid and clean up well. After all load recovered, get water sample for analysis. Run scale analysis with swab-injection water mix.
5. Run pump in test for injection rate. If sufficient, proceed to step 6. If not reacidize w/ 5000 gal. at 10 bpm. Swab back load.
6. Run step rate test. ND BOP and NU well head. RD and release rig.

WATER DISPOSAL, INC.

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

HARMSTON #1-32A1

BLUEBELL FIELD

API # 43-013-30224

NOVEMBER 29, 2000

UIC - 267.1
jc

Tom Clawson
Atty for Water Disposal
237-0352

Vince Guinn
(435) 722-5877

Cal (801) 244-8800

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DIVISION OF
OIL, GAS AND MINING

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Water Disposal, Inc.	Utah Account Number N	Well Name and Number Harmston 1-32A1
Address of Operator P.O. Box 85 CITY Roosevelt STATE UT ZIP 84066	Phone Number (435) 722-0134	API Number 43-30224 43-013-30224
Location of Well Footage: 2215' FSL & 1826' FWL (NESW) County: Duchesne		Field or Unit Name Bluebell
QQ, Section, Township, Range: NESW 32 T1S R1W State: UTAH		Lease Designation and Number Fee

Is this application for expansion of an existing project? Yes ☐ No ☒

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒
Date of test: _____

Proposed injection interval: from 9,060 to 9,440

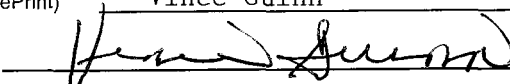
Proposed maximum injection: rate 5,000 pressure 4,300 psig

Proposed injection zone contains soil, gas ☐ and/or ☐ h water within 1/2 mile of ☐ well.

List of attachments: _____

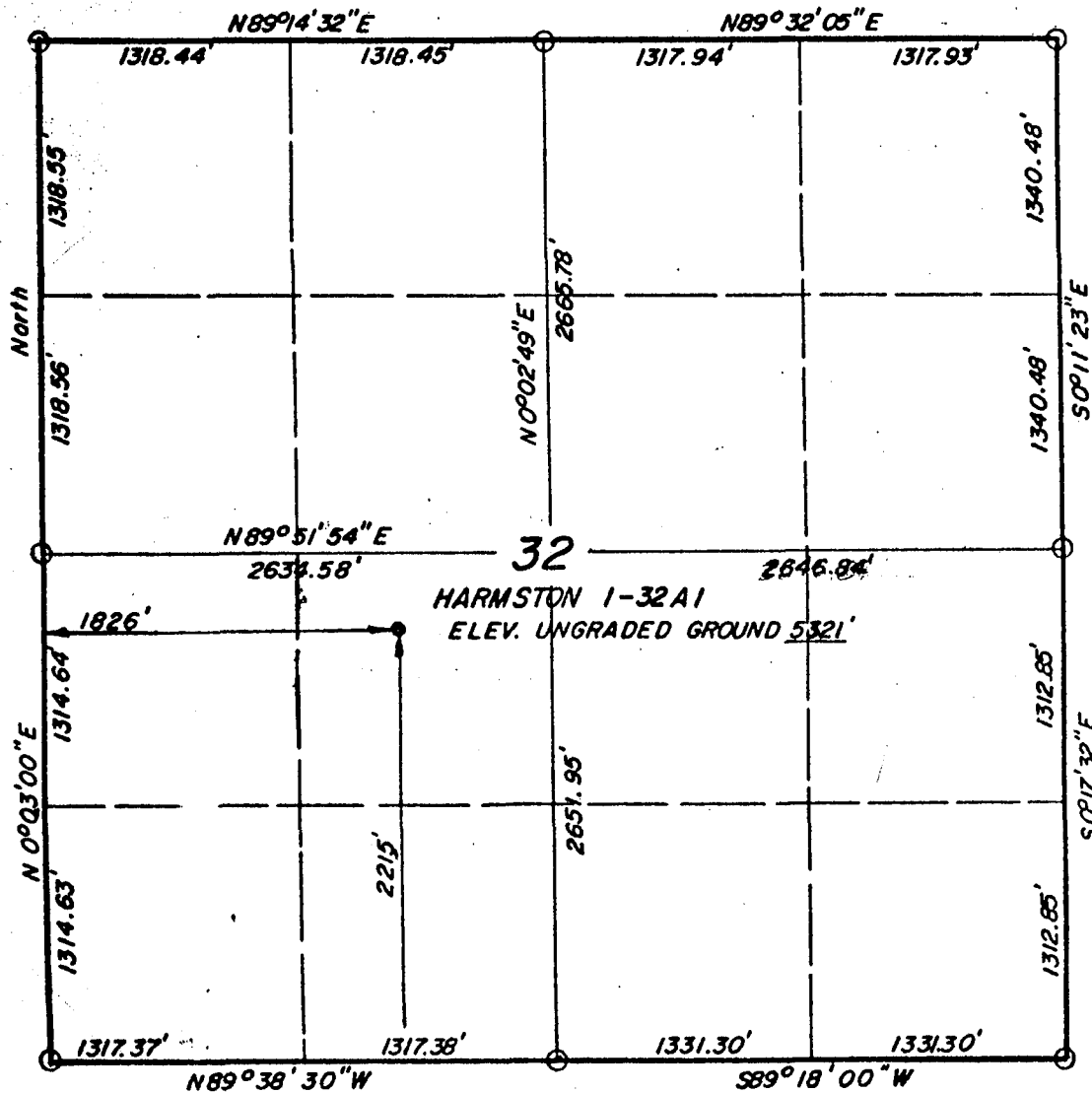
ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Vince Guinn
Signature 

Title Petroleum Engineer
Date 11/18/2000

TIS, RIW, U.S.M.



○ = Corners located or re-established

CHEVRON OIL CO.

WELL LOCATION, HARMSTON 1-32A1, IN THE NE 1/4
SW 1/4 SECTION 32, TIS, RIW, U.S.M., DUCHESNE
COUNTY, UTAH

ELEV. REF. POINT 200' WEST = 5329.88'
" " " 250' " = 5331.04'
" " " 300' NORTH = 5320.37'
" " " 350' " = 5321.40'

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Nelson J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised 15 Jan. 73

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE
1" = 1000'

DATE
11 Jan. 73

PARTY
NM BR RR MS CF

REFERENCES
G L O

WEATHER

FILE

VERY OLD

PENNZOIL
TOMLINSON
1-25A2

BADGER
BOOM BOOM
2-29A1

PENNZOIL
SUMMARELL
1-30A1

PENNZOIL
DYE 1-29A1

PENNZOIL
McELPRANG
1-31A1

PENNZOIL
TAYLOR
1-36A2

UTEX
McELPRANG
2-31A1

PENNZOIL
HARMSTON
1-32A1

PENNZOIL
PACK 1-33A1

PENNZOIL
LAMICQ RBRTSN. ST.
2-1B2

PENNZOIL
LAMICQ-STATE
1-6B1

PENNZOIL
UTE 9-4B1

121

Devon's
11/22

THE
CRESCENT

28 28

33 33

UT
-L-
C

II-B Operators

Devon Energy Corporation, P.O. Box 290, Neola, Utah is the operator in the east half of section 31, T1S, R1W and north half of section 5, T2S, R1W, Duchesne County, Utah.

II-C Surface Owners

Max Rasmussen
Lloyd Rasmussen
Norman Rasmussen
RR 1 Box 2857
Roosevelt, Utah 84066-9557

Bernice Nelson, Diane &
Orel Babcock, Lloyd
Gardner, Calvin Gardner,
Bert R. Gardner, Beryl
Root, Melba Swain
11381 South 1300 West
So. Jordan Utah 84095-8237

Reed & Darlene Abegglen
RR 1 Box 1112
Roosevelt, Ut 84066-9706

Tim & Sandra Heins
P.O. Box 143
Roosevelt, Ut 84066-0143

James L. & Marilyn L.
Steinmetz
RR 1 Box 1115
Roosevelt, Ut 84066-9707

Juanita Suggett
6379 Jeff St.
San Diego, Ca 92115-6710

Duane H. & Jackie M.
Thacker
HC 66 Box 6A
Roosevelt, Ut 84066-9301

Rickey L. & Mary A.
Stewart
RR 1 Box 6
Roosevelt, Ut 84066-8901

Clark B. & Arva M
Abegglen
1279 N. 2500 W.
Vernal, Ut 84078-9610

Charles Brad. & Shelley
Elaine Crozier
P.O. Box 305
Neola, Ut 84053

Rodney O. & Deanna K.
Bell
HC 66 Box 6C
Roosevelt, Ut 84066-9301

Larry D. & Karen M..
Anderton
P.O. Box 71
Roosevelt, Ut 84066

George A. Kennedy
P.O. Box 1675
Roosevelt, Ut 84066

C. Wes & Rebecca C.
Wilson
P.O. Box 1735
Roosevelt, Ut 84066

Richard Johnson
4917 SE Church Hill Way
Lawton, Ok 73501-6405

Teresa Harmston
510 E. Lagoon (121-2)
Roosevelt, Ut 84066

Gordon E. Harmston,
Karma D. Miller, Howard
L. Harmston, Lee Y.
Harmston,
672 E. 4149 S.
SLC, Ut 84107-2934

Gwendolyn H. Duncan
RR 1 Box 1166
Roosevelt, Ut 84066

Bryce E. & Virginia M.
Wamsley
RR 1 Box 1116
Roosevelt, Ut 84066-9707

Louis M. & Rodena L.
Mannett
19833 Ban Ducci Rd.
Tehachapi, Ca 93561-7725

Irvin J. & Dorothy J.
Huston
RR 1 Box 1110
Roosevelt, Ut 84066-9706

Aaron & Kristie L.
Manning
RR 3 Box 3176
Roosevelt, Ut 84066-9602

Jeff B. & Carol A. Allred
P.O. Box 131
Roosevelt, Ut 84066-0131

Don S. & Debra K.
Richards
357 N. 600 E.
Roosevelt, Ut 84066

Water Disposal Inc.
P.O. Box 85
Roosevelt, Utah 84066

Cory C. & Pamela Duncan
ElRay Duncan
RR 1 Box 1170
Roosevelt, Ut 84066-9711

Clyde H. Larsen & Sons
Construction
7173 S 700 W.
Midvale, Ut 84046-6600

Ned B. Mitchell
Construction, Inc.
P.O. Box 186
Altamont, Ut 84001-0186

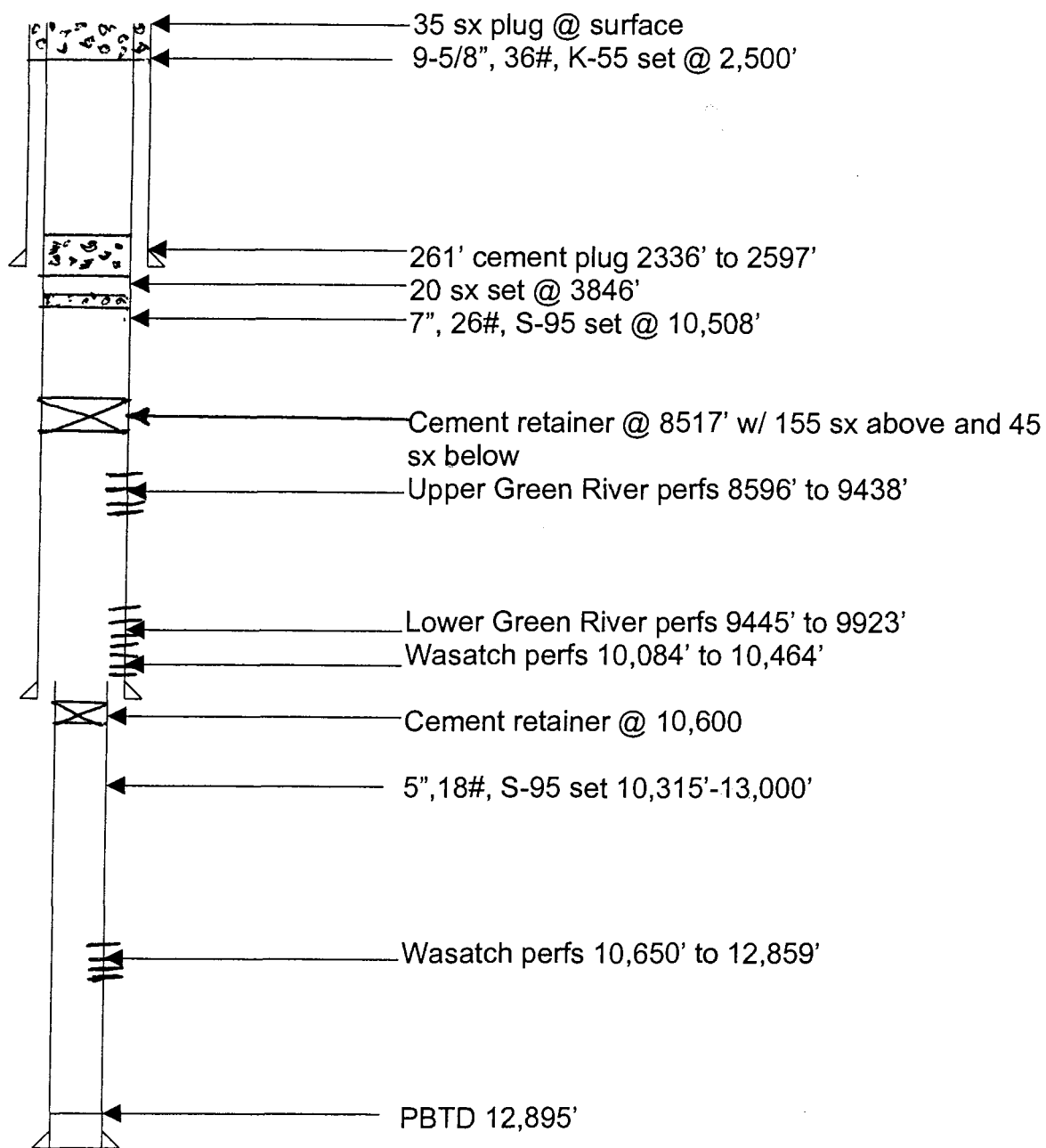
Reed Call
24 E. 8680 S.
Sandy, Ut 84070-1510

Jay O'Driscoll
280 N. Poco Dr. (10-11)
Roosevelt, Ut 84066-3407

II-D Abandon, Active, or Inactive Wells

No other wells exist of have existed within the ½ mile radius.

HARMSTON #1-32A1
 Sec. 32, T1S, R1W
 Duchesne County, Utah





2060 SOUTH 1500 EAST
VERNAL, UTAH 84078

V-B

Water to be injected

Telephone (435) 789-4327

Water Analysis Report

Customer : Water Disposal Inc.

Date Sampled : 10-Nov-00

Date Reported : 14-Nov-00

Date Received : 13-Nov-00

Address :

City : Roosevelt

State : UT **Postal Code :**

Field : Roosevelt

Lease : Roosevelt

Location : Disposal Well

Sample Point : wellhead

Attention : Chris Denver

cc1 :

cc2 :

cc3 :

Comments :

Salesman : Ed Schwarz

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 224 mg/l
Magnesium : 165 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 25.0 mg/l
Sodium : 4440 mg/l

ANIONS

Chloride : 6,400 mg/l
Carbonate : 300 mg/l
Bicarbonate : 1,776 mg/l
Sulfate : 395 mg/l

pH (field) : 8.11
Temperature : 85 degrees F
Ionic Strength : 0.22
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.0150 grams/ml
Total Dissolved Solids : 13,725 ppm
CO2 in Water : 1 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 258.0 mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : 2.44
Calcite (CaCO3) SI @ 100 F : 2.60
Calcite (CaCO3) SI @ 120 F : 2.81
Calcite (CaCO3) SI @ 140 F : 3.02
Calcite (CaCO3) SI @ 160 F : 3.25
Gypsum (CaSO4) SI : -1.63
Barite (BaSO4) SI : N/A
Celestite (SrSO4) SI : N/A

Calcite PTB : 194.8
Calcite PTB @ 100 F : 195.1
Calcite PTB @ 120 F : 195.4
Calcite PTB @ 140 F : 195.6
Calcite PTB @ 160 F : 195.7
Gypsum PTB : N/A
Barite PTB : N/A
Celestite PTB : N/A

IX. Description of injection interval

- A. The zone to be injected into will be the upper Green River formation. *R649-5-2-2.10*
- B. The zone is a lenticular mix of shale and sand stone. Total thickness is 1360 feet at a depth of 9070' to 10,430'. *R649-5-2-2.10*
- C. The upper Green River zone is found as an oil and gas bearing zone throughout a larger portion of the Uinta *Response to R649-5-2-2.10*
- D. Water swabbed from the interval 8596' – 9438' during a recompletion effort in April, 1988. Water analysis done at that time indicated that TDS was 20 to 30,000 PPM and very high in sodium bicarbonate. *R649-5-2-2.7 (2) ???*
- E. The zone to be injected into is bound below by a 450 foot thick section of red bed and above by a 30 foot thick section of nonporous rock at 8100'. *R649-5-2-2.10*
- F. Potable water in the area can be found as deep as the Duchesne River formation which is found to be as deep as 2600' in this area. The Uinta formation found below the Duchesne River is usually high TDS and ammonia.

X. Review of mechanical condition of all wells within a ½ mile radius

No wells are found within the ½ mile radius.

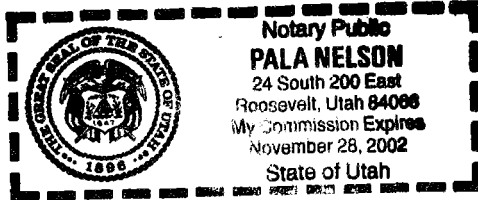
XI. Affidavit

November 29, 2000

I, Chris Denver, as owner of Water Disposal, Inc., do here by certify that I have notified all operators and surface owners within the ½ mile radius of the Harmston 1-321A1 abandon wellbore.

Water Disposal, Inc. by: Chris Denver Date: 11/30/00
(signature):

(witness): Pala Nelson Date: 11/30/00



C

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF WATER	:	ACTION
DISPOSAL INC. FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-267.1
THE HARMSTON #1-32A1 WELL	:	
LOCATED IN SECTION 32,	:	
TOWNSHIP 1 SOUTH, RANGE 1	:	
WEST, UINTA, DUCHESNE COUNTY,	:	
UTAH, AS A CLASS II INJECTION	:	
WELL	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Water Disposal Inc. for administrative approval of the Harmston #1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River (Upper) Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Water Disposal Inc..

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8 day of December, 2000.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



for John R. Baza
Associate Director

**Water Disposal Inc.
Harmston #1-32A1
Cause No. UIC-267.1**

Publication Notices were sent to the following:

Water Disposal Inc.
PO Box 85
Roosevelt, UT 84066

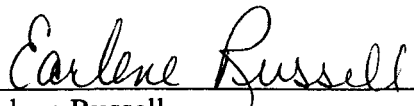
via Facsimile (435) 722-4140
Uintah Basin Standard
268 S 200 E
Roosevelt, UT 84066

via E-Mail and Facsimile (801) 237-2776
Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

Vernal District Office
Bureau of Land Management
170 S 500 E
Vernal, UT 84078

Duchesne County Assessor
PO Drawer 899
Duchesne, UT 84021-0899

Dan Jackson
US EPA Region VIII, Suite 5000
999 18th Street
Denver, CO 80202-2466


Earlene Russell
Secretary
December 8, 2000



**Applied Drilling
Services**

Fax

To: Chris Kierst

From: Vince Gulnn

Fax: 801-722-5698

Date: February 7, 2001

Phone: 801-538-5337

Pages: 2

Re: APD

CC: [Click here and type name]

☐ **Urgent** ☒ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

Chris,

Enclosed is the APD. I had sent on in this morning which I copied from the original APD and have since found the completion notice.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. LEASE DESIGNATION AND SERIAL NUMBER:	
1A. TYPE OF WORK: DRILL <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>				6. INDIAN, ALLOTTEE OR TRIBAL NAME:	
5. TYPE OF WELL: OIL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE MULTIPLE ZONE <input checked="" type="checkbox"/>				7. UNIT OR AGREEMENT NAME:	
2. NAME OF OPERATOR: Water Disposal, Inc.				8. WELL NAME AND NUMBER:	
3. ADDRESS OF OPERATOR: P. O. Box 85 CITY Roosevelt STATE UT ZIP 84066			PHONE NUMBER: (435) 722-0135	9. FIELD AND POOL OR WILDCAT: Bluebell	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2215 ft FSL & 1826 ft. FWL, Sec. 32 (NE1/4SW1/4) AT PROPOSED PRODUCING ZONE: Same				10. QTR/QTR SECTION, TOWNSHIP, RANGE, MERIDIAN: Sec 32 T1S R1W	
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 3 1/2 miles ES to Roosevelt, Utah				11. COUNTY: Duchesne	12. STATE UTAH
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1826 ft.		15. NUMBER OF ACRES IN LEASE: 640		16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 0	
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) IN THIS LEASE (FEET) N/A		18. PROPOSED DEPTH: 9,400		19. BOND DESCRIPTION:	
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5321 GR		21. APPROXIMATE DATE WORK WILL START: 2/15/2001		22. ESTIMATED DURATION 14 DAYS	

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8" K-55 36#	2,500	2103 sx G 1.15 15.8#/gal.
8-3/4"	7" S-95 26#	10,508	400 sx 50-50 pox 300 sx G
6-1/8"	5" S-95 18#	12,895	1175 sx G 1.15 15.8#/gal

24.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☒ WELL PLATFORM PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

☒ COMPLETED DRILLING PLAN
☐ FORMS, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT)

Vince Guinn

TITLE

Petroleum Engineer

SIGNATURE

Vince Guinn

DATE

2/28/01

(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

(5/2000)

(See Instructions on Reverse Side)



ENERGY PRODUCTION COMPANY, L.P.

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73106

Brad -
Chris - *[initials]*
ftr

March 8, 2001

Delivery Via

Fax
& UF

John Boza
State of Utah, Department of
Division of Oil, Gas and Mining
1594 West North Temple, Suite
Salt Lake City, UT 84114-580

RE: Water Disposal Inc. Appl
For Class II Injection W
Harmston #1-32A1, Sec
Duchesne Co., Utah
Docket No. 2001-011.C

- ① leaves ~ 144' of injectable interval.
② Top of injection interval proposed is @ 9060'.
③ The integrity of the casing (7") is screwed already by the cut @ 8252.8' TD which will need to be addressed in some fashion.
④ These are planned before permit OK *[initials]*

Dear Mr. Boza,

This letter is to advise that a L.P. (Devon) has met with representatives of Water Disposal Inc. (WDI) with regards to the Referenced Application. As a result of our meeting Devon hereby submits the following comments concerning the proposed Application:

1. Devon operates wells in Section 30-T1S-R1W and Sections 4, 5, & 6-T2S-R1W. WDI advised Devon, they would modify the referenced Application such that they would plug off and not inject in the perforations below 9,204' in the Harmston 32A. In this regard, Devon would like to see the Utah Department of Oil, Gas, & Mining (DOGM) require the plugged off perforations be cement squeezed to completely isolate them from future injection pressures.
2. The cement top around the production casing in the Devon operated Lamicq 2-6B1 located in Section 6-T2S-R1W is at 7,120'. Preferably any offset injection at the Harmston 1-32A1 should be at least 200' below this depth to insure the injected fluids are contained within the specified injection intervals.
3. Devon field personnel had the opportunity to review the cement bond log for the Harmston 1-32A1. Cement bonding is reported to be questionable; therefore, the ability to confine injection fluids to the specified intervals is uncertain. Furthermore, it has been reported that significant calcium carbonate scale deposits have been experienced in the well. These scaling tendencies could also be the result of poor cement bonding. Based on this information, Devon believes the State of Utah will thoroughly review the mechanical integrity of this

How?
what is exact mechanism?

**ENERGY PRODUCTION COMPANY, L.P.**20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260Telephone: (405) 228-4230
Fax: (405) 552-8113

March 8, 2001

Delivery Via

Fax (801) 359-3940
& UPS Overnight

John Boza
State of Utah, Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

RE: Water Disposal Inc. Application
For Class II Injection Well
Harmston #1-32A1, Sec. 32-T1S-R1W
Duchesne Co., Utah
Docket No. 2001-011, Cause No. UIC-267.1

Dear Mr. Boza,

This letter is to advise that a representative of Devon Energy Production Company, L.P. (Devon) has met with representatives of Water Disposal Inc. (WDI) with regards to the Referenced Application. As a result of our meeting Devon hereby submits the following comments concerning the proposed Application:

1. Devon operates wells in Section 30-T1S-R1W and Sections 4, 5, & 6-T2S-R1W. WDI advised Devon, they would modify the referenced Application such that they would plug off and not inject in the perforations below 9,204' in the Harmston 32A. In this regard, Devon would like to see the Utah Department of Oil, Gas, & Mining (DOGM) require the plugged off perforations be cement squeezed to completely isolate them from future injection pressures.
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3. Devon field personnel had the opportunity to review the cement bond log for the Harmston 1-32A1. Cement bonding is reported to be questionable; therefore, the ability to confine injection fluids to the specified intervals is uncertain. Furthermore, it has been reported that significant calcium carbonate scale deposits have been experienced in the well. These scaling tendencies could also be the result of poor cement bonding. Based on this information, Devon believes the State of Utah will thoroughly review the mechanical integrity of this

How?
what is
exact
mechanism?

Application for Class II Injection Well
Harmston #1-32A1, Sec. 32-T1S-R1W
Duchesne Co., Utah
Docket No. 2001-011, Cause No. UIC-267.1
Page 2

wellbore and verify its ability to confine injection fluids within the specified injection intervals; possibly even require any new bond logs be run at downhole pressure below the proposed injection pressure, prior to the issuance of any injection order.

4. Devon requests DOGM perform a Step Rate Test and that injection pressures be maintained below frac gradient for the injection interval so that injected fluids are not pushed into the sands above and below.

It is hoped that this letter and its suggestions and requests are kindly received. Devon plans to be present at the Hearing scheduled for March 28, 2001 for the Referenced Application

Sincerely,

DEVON ENERGY PRODUCTION COMPANY, L. P.



W. P. McAlister
Land Advisor

cc: Tom Bachtell
Pruitt, Gushee & Bachtell
1850 Beneficial Life Tower
Salt Lake City, UT 84111-1495

1735 E. 1500 South
Vernal, UT 84078
Tel 435-789-3394
Fax 435-789-3903

Oil
Schlumberger

March 19, 2001

Board of Oil, Gas and Mining
1594 West North Temple Street, Suite 210
P.O. Box 145801
Salt Lake City, UT 84114-5801

FILED

MAR 26 2001

**SECRETARY BOARD OF
OIL, GAS & MINING**

Re: Water Disposal, Inc.
UIC Class II Injection Well Application
Docket No. 2001-011
Cause No. 267.1

We were asked by Mr. Vince Guinn to look at the CBL and CET logs on the Harmston # 1-32A1 well in Duchesne County Utah. We looked at the interval between 8900-9400. The objective was to look for evidence of channels behind pipe. It is our opinion based solely on the 2 logs run on the well that there is no channel in this interval. There is good evidence of a channel at the bottom of the well, and there are of course cement problems sporadically up the hole. The interval in question shows much evidence of gas contamination, however the cement appears to be in place. Considering the state of the well (perforations open both above and below) the odds of getting a more definitive evaluation are very low. It also appears that the chance of damaging the cement in place trying to squeeze into this interval is also good. Our interpretations are based upon log data obtained years ago, however the data appears valid and if correct the interpretation should be valid.

Thank you,

Tim Emick
District Sales

*No channel but
how about the bond
to the cement cut + pipe + cut + Em?*

The use of and reliance upon this recorded data by the user (and any of its affiliates, partners, consultants and employees) is subject to the terms and conditions in our current price book including (a) restrictions on the use of recorded data; (b) disclaimers and waivers of warranties and representations regarding the company's use and reliance upon the recorded data; and (c) customers full and sole responsibility for any inference drawn or decision made in connection with the use of this recorded data.



**Applied Drilling
Services**

Fax



To: Lisha Cordova

From: Vince Guinn

Fax: 801-359-3940

Date: April 12, 2001

Phone: 801-538-5296

Pages: 2

Re: APD

CC: [Click here and type name]

☐ **Urgent**

☒ **For Review**

☐ **Please Comment**

☐ **Please Reply**

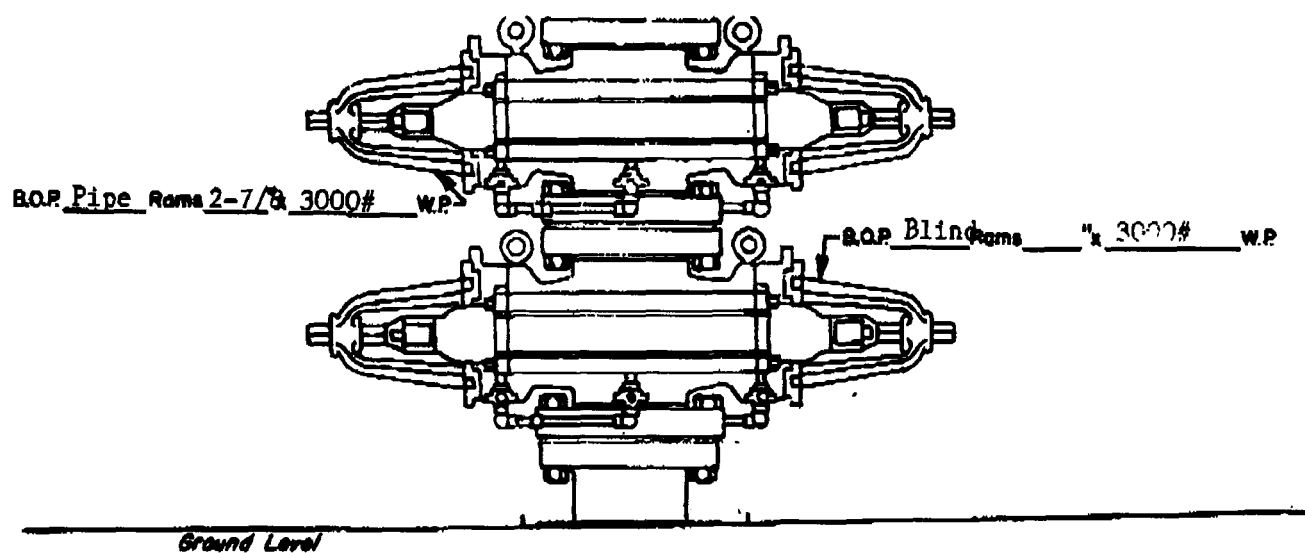
☐ **Please Recycle**

•Comments:

Lisha,

Enclosed is the APD for Water Disposal, Inc. as promised. Please advise if additional information is needed.

Proposed Well Control



WELL HEAD B.O.P.
3000 # W.P.

☐ Manual
☒ Hydraulic

Additional Information

1. Formation tops
 Uinta 2920'
 Green River 8200'
 Wasatch 10,493'
2. Oil or gas could be encountered in the Green River Formation. All others are cased off.
3. Circulating medium to be produced water from commercial disposal pits adjacent to the well.
4. Logs to be run are: CBL W/ GR.
5. Anticipated bottom hole pressure is 2500#.
6. Surface well head equipment to be rated to 3000#.
7. Surface is owned by Chris Denver, President of Water Disposal, Inc.
8. Bond to be covered by state wide bond number 2663-3.
9. Contact person for Water Disposal, Inc.:

Vince Guinn
ADS Operating Company
Rt. 3 Box 3010
Roosevelt, UT 84066
(435)722-5877

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/12/2001

API NO. ASSIGNED: 43-013-30224

WELL NAME: HARMSTON 1-32A1 (Pc Entry)
OPERATOR: WATER DISPOSAL INC. (N0685)
CONTACT: VINCE GUINN

PHONE NUMBER: 435-722-5877
(801) 244-8800 / Cell

PROPOSED LOCATION:

NESW 32 010S 010W
SURFACE: 2215 FSL 1826 FWL
BOTTOM: 2215 FSL 1826FWL
DUCHESNE
BLUEBELL (65)

LEASE TYPE: 4 - Fee
LEASE NUMBER: FEE
SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: ~~WSP~~ GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	RAm	4/24/01
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[], Fee[4]
(No. 8873/3213/Cash Bond *Rec'd 4/23)
☒ Potash (Y/N)
☒ Oil Shale (Y/N) *190-5 (B) or 190-3
☒ Water Permit
(No. Produced Wtr.)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
* Surf Water Disp. Inc. / Chris Denver

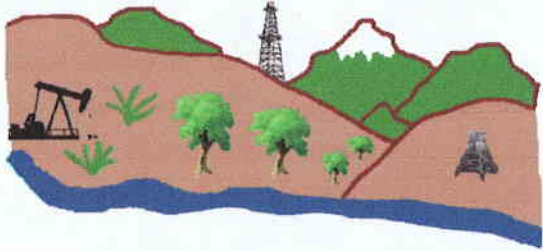
LOCATION AND SITING:

☐ R649-2-3. Unit _____
☐ R649-3-2. General
☒ Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☐ R649-3-11. Directional Drill

COMMENTS: No presite necessary.

STIPULATIONS: ① AFTER DRILLING TO 9300'
A CEMENT BOND LOG SHALL BE RUN AT ZERO PRESSURE FROM
TD TO 2500'. SUBMIT THE RESULTS OF THE CBL TO THIS
OFFICE PRIOR TO SETTING THE CIBP @ ± 9250'.

② THIS WELL SHALL NOT BE USED AS A FOR
PRODUCTION OF HYDROCARBONS.



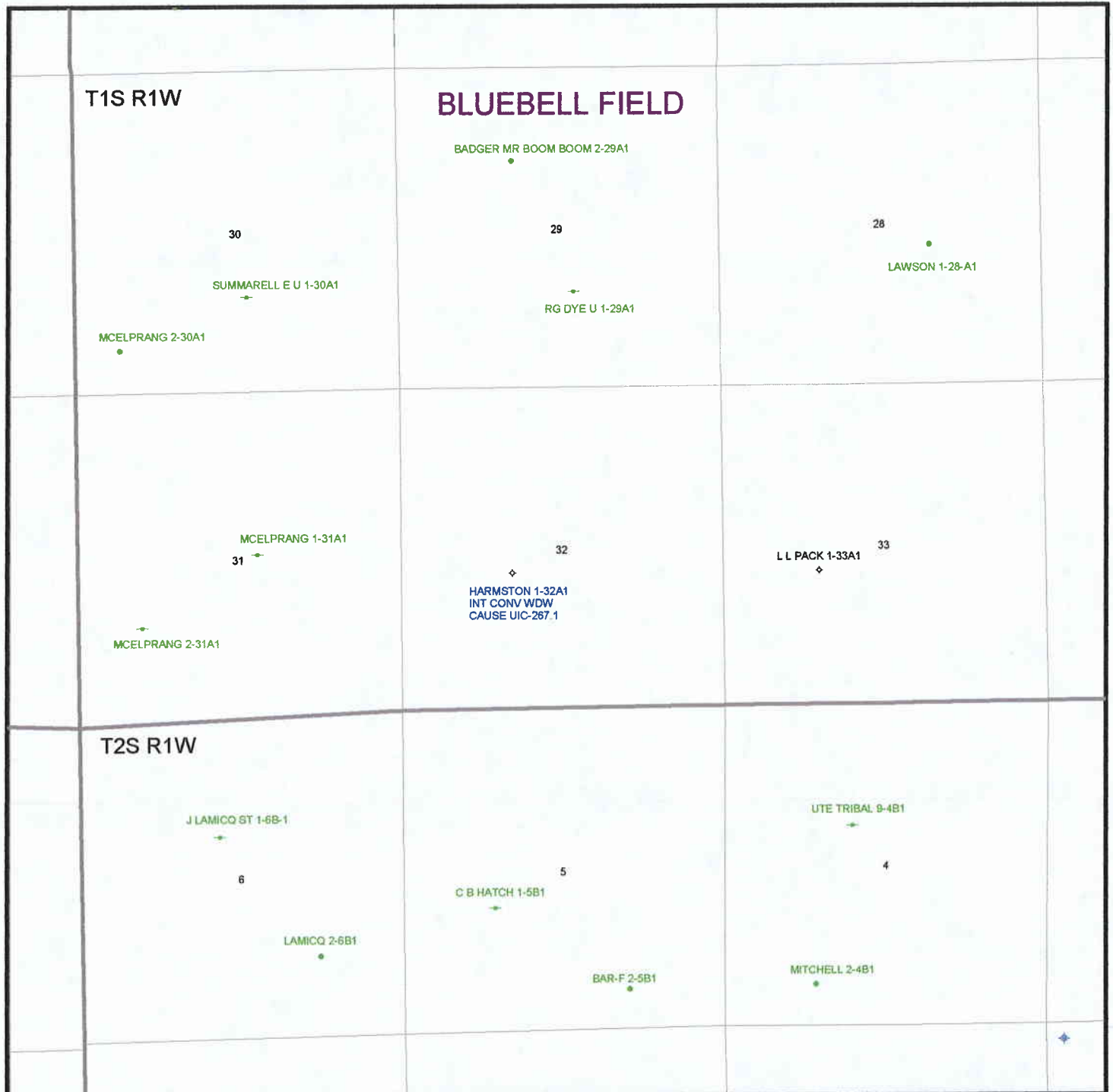
Utah Oil Gas and Mining

OPERATOR: WATER DISPOSAL INC (N0685)

SEC. 32, T1S, R1W

FIELD: BLUEBELL (065)

COUNTY: DUCHESNE SPACING: R649-3-3/EX LOC
CAUSE: UIC-267.1

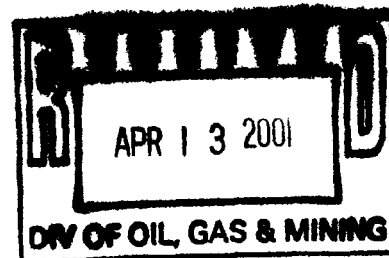


PREPARED BY: LCORDOVA
DATE: 13-APRIL-2001

Additional Information

1. Formation tops
 Uinta 2920'
 Green River 8200'
 Wasatch 10,493'
2. No oil or gas will be encountered. The Green River interval to be injected into has swabbed only water in past tests. All others are cased off.
3. The circulating medium for the drilling and completion of the reentry will be produced water from commercial disposal pits adjacent to the well.
4. Logs to be run are: CBL W/ GR.
5. Anticipated bottom hole pressure is 2500#.
6. Surface wellhead equipment to be rated to 3000#.
7. Chris Denver, President of Water Disposal, Inc, owns the Surface.
8. This well is currently plug and abandon. The well will be reentered for the purpose of completion as a class II injection well in the Green River Formation. The proposed injection interval is 9,060' to 9,204'. It is cased with cement plugs in the wellbore.
9. This well was originally drilled and completed as an exception location. However, as the intended injection interval (9,060'-9,204') was found to be nonhydrocarbon bearing in a past completion attempt, no approval is required by mineral owners in the area.
- 10.
11. Contact person for Water Disposal, Inc.:

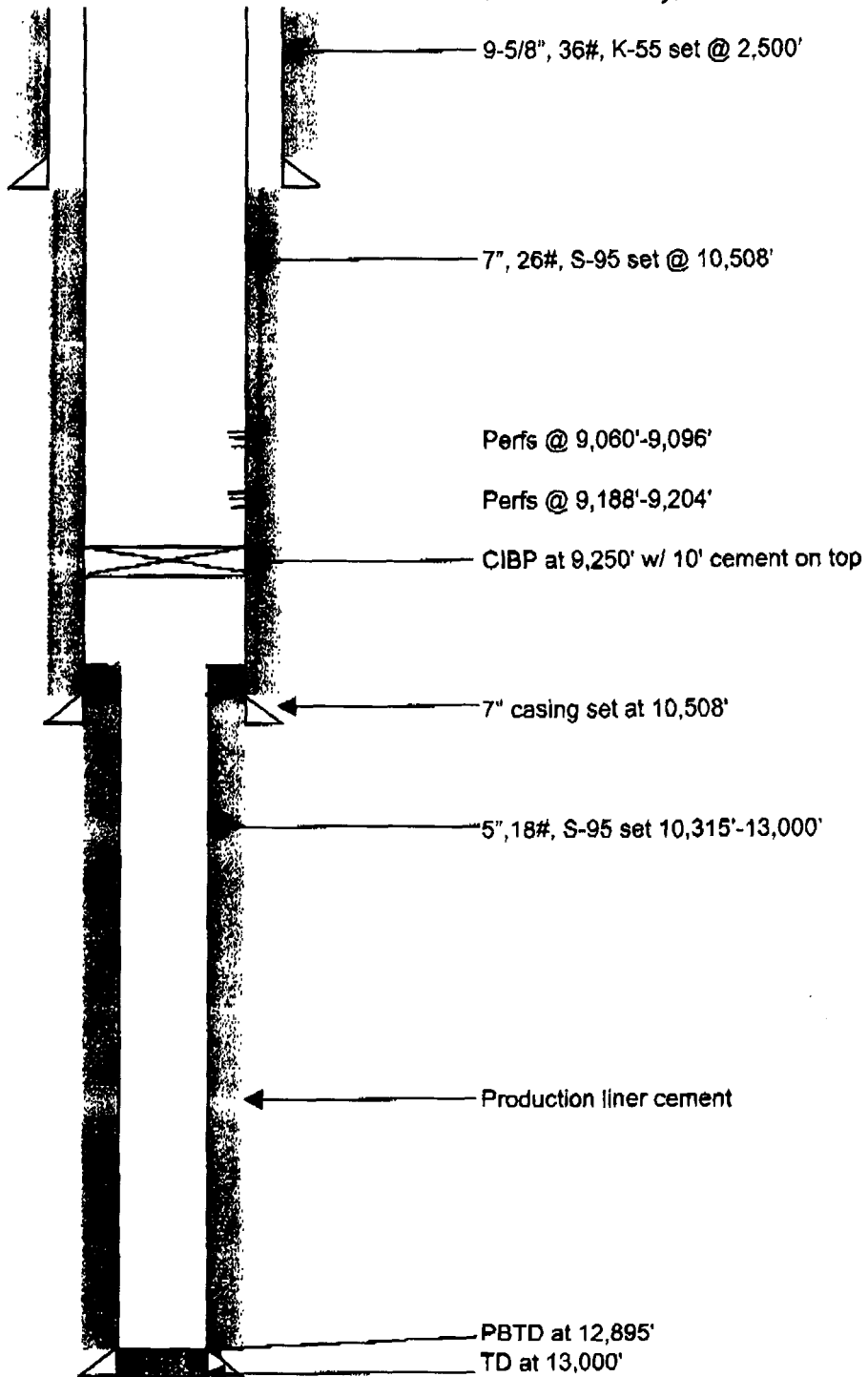
Vince Guinn
ADS Operating Company
Rt. 3 Box 3010
Roosevelt, UT 84066
(435)722-5877



HARMSTON #1-32A1

Sec. 32, T1S, R1W

Duchesne County, Utah





**Applied Drilling
Services**

Fax

To: Lisha Cordova

From: Vince Guinn

Fax: 801-359-3940

Date: April 13, 2001

Phone: 801-538-5296

Pages: 3

Re: APD

CC: [Click here and type name]

☐ **Urgent** ☒ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

Lisha,

Ok, let's try this again.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. LEASE DESIGNATION AND SERIAL NUMBER: Fee	
1A. TYPE OF WORK: DRILL <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBAL NAME:	
5. TYPE OF WELL: OIL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE MULTIPLE ZONE <input checked="" type="checkbox"/>				7. UNIT OR COAGREEMENT NAME:	
2. NAME OF OPERATOR: Water Disposal, Inc.				8. WELL NAME AND NUMBER: Harmston #1-32A1	
3. ADDRESS OF OPERATOR: P. O. Box 85 CITY Roosevelt STATE UT ZIP 84066				9. FIELD AND POOL OR WILDCAT: Bluebell	
4. LOCATION OF WELL (FOOTAGES): AT SURFACE: 2215 ft FSL & 1826 ft. FWL, Sec. 32 (NE1/4SW1/4) AT PROPOSED PRODUCING ZONE: Same				10. QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Sec 32 T1S R1W	
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 3 1/2 miles ES to Roosevelt, Utah				11. COUNTY: Duchesne	
				12. STATE: UTAH	
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 1826 ft.		15. NUMBER OF ACRES IN LEASE: 640		16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 0	
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): N/A		18. PROPOSED DEPTH: 9,400		19. BOND DESCRIPTION:	
20. ELEVATIONS (SHOW WHETHER OF RT, GR, ETC.): 5321 GR		21. APPROXIMATE DATE WORK WILL START: 2/15/2001		22. ESTIMATED DURATION: 14 DAYS	

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8" K-55 36#	2,500	2103 sx G 1.15 15.8#/gal.
8-3/4"	7" S-95 26#	10,508	400 sx 50-50 pox 300 sx G
6-1/8"	5" S-95 18#	12,895	1175 sx G 1.15 15.8#/gal

24.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☒ WELL PLATFORM MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☒ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

- ☒ COMPLETED DRILLING PLAN
☐ OR MS. IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT)

Vince Guinn

TITLE

Petroleum Engineer

SIGNATURE

Vince Guinn

DATE

2/7/01

(This space for state use only)

API NUMBER ASSIGNED:

43-013-30224

APPROVAL:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee	
B. TYPE OF WELL: OIL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. INDIAN, ALLOTTEE OR TRIBAL NAME:	
2. NAME OF OPERATOR: Water Disposal, Inc.		7. UNIT OR CAA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: P. O. Box 85 CITY Roosevelt STATE UT ZIP 84066		8. WELL NAME AND NUMBER: Harmston #1-32A1	
PHONENUMBER: (435) 722-0135		9. FIELD AND POOL, OR WILDCAT: Bluebell	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2215 ft FSL & 1826 ft. FWL, Sec. 32 (NE1/4SW1/4) AT PROPOSED PRODUCING ZONE: Same		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Sec 32 T1S R1W	
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 3 1/2 miles ES to Roosevelt, Utah		11. COUNTY: Duchesne	
12. STATE: UTAH			
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1826 ft.		15. NUMBER OF ACRES IN LEASE: 640	
16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 0			
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A		18. PROPOSED DEPTH: 9,400	
19. BOND DESCRIPTION:			
20. ELEVATIONS (SHOW WHETHER D.F., RT., GR., ETC.): 5321 GR		21. APPROXIMATE DATE WORK WILL START: 2/15/2001	
22. ESTIMATED DURATION: 14 DAYS			

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8" K-55 36#	2,500	2103 sx G 1.15 15.8#/gal.
8-3/4"	7" S-95 26#	10,508	400 sx 50-50 pox 300 sx G
6-1/8"	5" S-95 18#	12,895	1175 sx G 1.15 15.8#/gal.

24.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLATFORM PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETED DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT)

Vince Guinn

TITLE

Petroleum Engineer

SIGNATURE

Vince Guinn

DATE

2/7/01

(This space for State use only)

API NUMBER ASSIGNED:

43-013-30224

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04-24-01

By: [Signature]

TIS, RIW, U.S.M.

CHEVRON OIL CO.

WELL LOCATION, HARMSTON 1-32A1, IN THE NE 1/4
SW 1/4 SECTION 32, TIS, RIW, U.S.M., DUCHESNE
COUNTY, UTAH

ELEV. REF. POINT 200' WEST = 5329.88'
" " " 250' " = 5331.04'
" " " 300' NORTH = 5320.37'
" " " 350' " = 5321.40'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Delson J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised 15 Jan. 73

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE
1" = 1000'

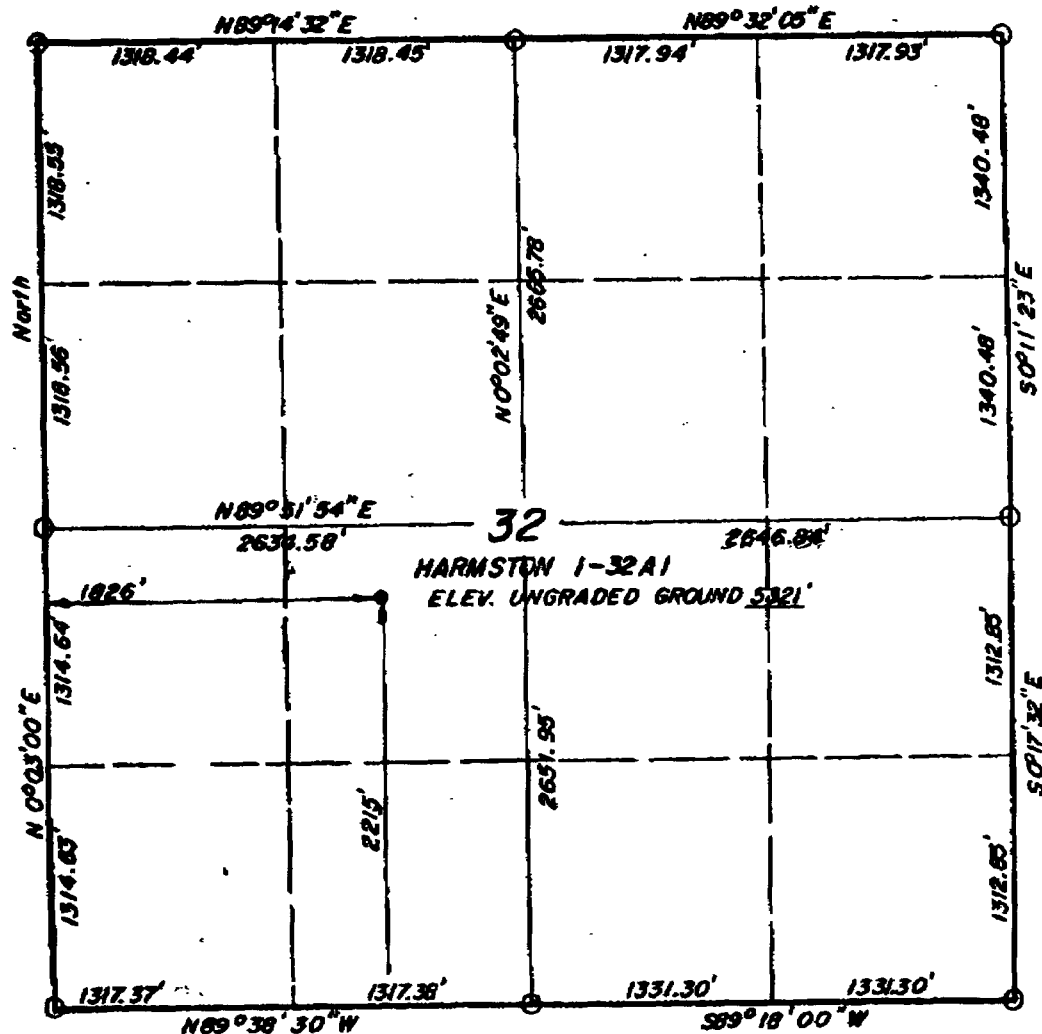
DATE
11 Jan. 73

PARTY
NM BR RR MS CF

REFERENCES
G L O

WEATHER
VERY COLD

FILE



○ = Corners located or re-established

Survey performed Jan. 5, 10, 1973

WELL IDENTIFICATION #1-5271
Sec. 32, T1S, R1W
Duchesne County, Utah

Well Data

Depth: 13,000' TD

Casing: 9-5/8", 36#, K-55 set at 2500'
7", 26", S-95 set surface to 10,508'
5", 18#, S-95 set 10,315' to 13,000'

Tubing: 2-7/8", 6.5#, N-80 tubing

Packer: Arrow Set 1 set

Perfs: Upper Green River perfs 8596' to 9438'
Lower Green River perfs 9445' to 9923'
Wasatch perfs 10,084' to 12,859'

Procedure

1. Blade location and set anchors. Dig out cellar and remove surface cement. MIRU service rig. Weld on 9-5/8" bell nipple and install braden head. PU casing spear and spear 7" casing. PU and land in slips in braden head. If there is insufficient casing, back off top joint. Install replacement top joint with threads on top. Screw on well head. NU BOP.
2. PU 6-1/8" bit on 2-7/8" tubing and TIH. Drill and clean out hole to 9300' drilling out cement plugs at surface, 2336'-2597', 3739'-3846', and 8339'-8569' with cmt retainer at 8517. Pressure test casing to 2000 psi. between plugs. Set CIBP at 9250'. Dump bail 2 sx cement on top.
3. PU 7" packer on 2-7/8" tbg. and TIH to 8900' and set packer. Establish injection into perfs. If injection rate is 10 bpm or better, acidize perfs with 10,000 gal 15% HCL w/ additives as per stimulation procedure. If injection level is less than 10 bpm, reperforate 9060'-9096' and 9188'-9204'. Stimulate well following perforating.
4. Swab back acid and clean up well. After all load recovered, get water sample for analysis. Run compatibility analysis with swab-injection water mix.
5. ND BOP and NU well head. Release rig. Run step rate test.



**Applied Drilling
Services**

Fax

To: Al McKee

From: Vince Guinn

Fax: 801-359-3940

Date: April 23, 2001

Phone: 801-638-5296

Pages: 2

Re: APD

CC: [Click here and type name]

☐ **Urgent**

☒ **For Review**

☐ **Please Comment**

☐ **Please Reply**

☐ **Please Recycle**

•Comments:

Al,

If you have any questions concerning this procedure, please call me at 435-722-5877 office, or 435-722-6604 cell. Thanks, Vince.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 24, 2001

Water Disposal, Inc.
PO Box 85
Roosevelt, UT 84066

Re: Harmston 1-32A1 Well, 2215' FSL, 1826' FWL, NE SW, Sec. 32, T. 1 South, R. 1 West,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-30224.

Sincerely,

John R. Baza
Associate Director

er

Enclosures

cc: Duchesne County Assessor

Operator: Water Disposal, Inc.
Well Name & Number Harmston 1-32A1
API Number: 43-013-30224
Lease: FEE

Location: NE SW Sec. 32 T. 1 South R. 1 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. After drilling to $\pm 9300'$, a cement bond log shall be run at zero pressure from TD to 2500'. Submit results of the CBL to the Division prior to setting the CIBP @ $\pm 9250'$.

5. This well shall not be used for production of hydrocarbons.

Schlumberger

Dowell

A Division of Schlumberger Technology Corporation

CEMENTING PROGRAM

RECOMMENDATION

for

Quinex

Well: Harmston 132-A1

ATTENTION: Mr. Deforest Smouse

NATHAN ROMAN
FIELD ENGINEER
BUSINESS: (435) 789 - 0411
FAX: (435) 789 - 0138
EMAIL: nroman@vernal.dowell.slb.com

May 22, 2001

SERVICE FROM DISTRICT:
VERNAL, UTAH

Disclaimer

This information is presented in good faith, but no warranty is given and Dowell assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. Freedom from patents of Dowell or others is not to be inferred. This prices herein enclosed are valid for 30 days following this proposal. Charges are based on actual materials and services used during the treatment, this is only an estimate.

Schlumberger

Dowell

A Division of Schlumberger Technology Corporation

WELL DATA

WELL STATUS:	Permitted
WELL NAME:	Harmston 132-A1
LOCATION:	Duschesne, Utah
FORMATION:	Unknown
POROSITY:	Unknown
PERMEABILITY:	Unknown
SURFACE CASING SIZE:	Unknown
SURFACE CASING CAPACITY:	Unknown
PRODUCTION CASING SIZE:	7" 26 #/ft
PRODUCTION CASING CAPACITY:	0.0383 bbl/ft
PRODUCTION CASING DEPTH:	10,200 ft.
PRODUCTION LINER CAPACITY:	0.0178 bbl/ft
PRODUCTION LINER DEPTH:	Approx. 5700 ft. - 9200 ft.
PRODUCTION ANNULAR CAPACITY: (between LINER/CSG)	0.0785 ft ³ /ft
B.H.S.T.:	190° F (est)

Schlumberger

Dowell

A Division of Schlumberger Technology Corporation

TREATMENT SUMMARY**5 Liner:****Cement— 175 sks SALT BOND**
containing:

G Cement
35% D086 (BWOC) - Silica Flour
18% D044 (BWOW) - Sodium Chloride
0.2% D013 (BWOC) - Retarder
0.7 gal/sk D804AM - SALT BOND Additive
0.05 gal/sk M045 - Antifoam Agent

Yield = 1.584 ft³/sk
Mix Water = 6.804 gal/sk
Density = 16.1 #/gal

24 Hr Compressive Str. = 3800 psi
Thickening Time = 6.5 hours

Compressive Strength and Thickening Time Info. are taken from previous treatments at a depth of 10,200 ft and approx. 200° F.

Harmon 1-32 A!

7600

7700

Parachut
Ck.

7800

Wagon
Road

7900

8000

8100

Pack
8200

8200

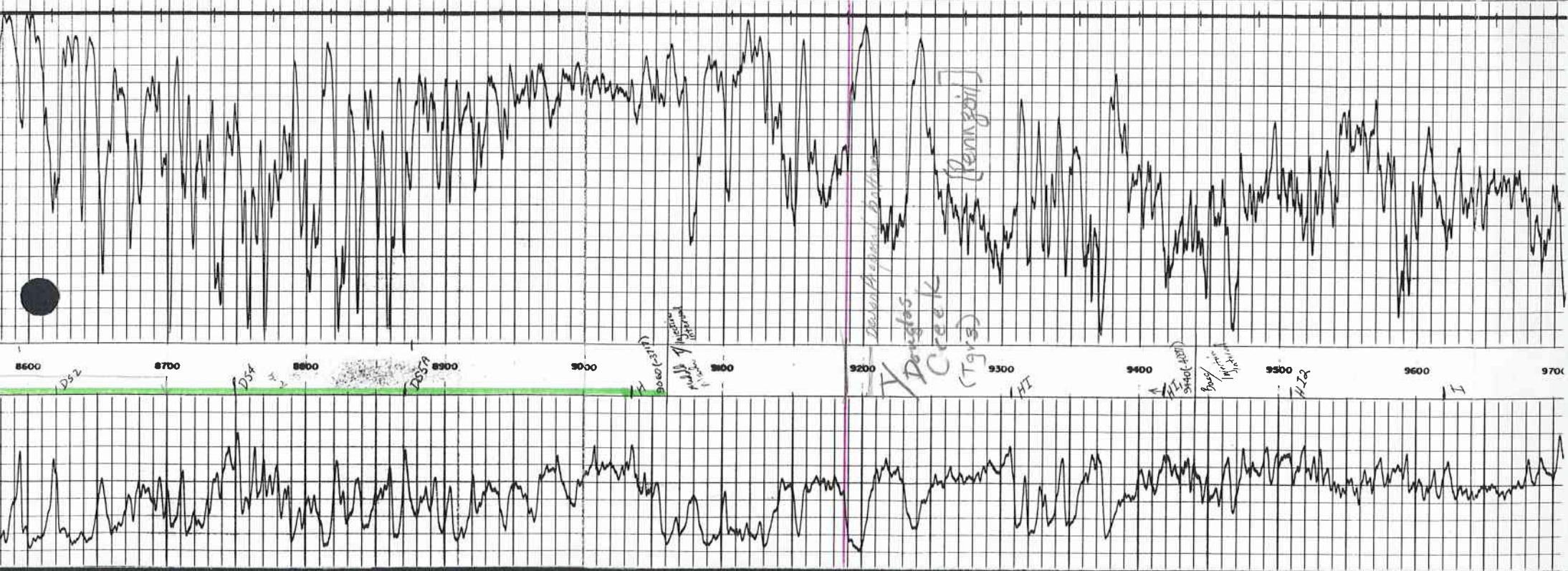
8300

8400

8500

High! Prepared
in section 7300
8200-8000

8500-8200
High! Paris



Schlumberger

Dowell

Technology Corporation

MENT SUMM

3675' ~~TOC~~ - 3900 {Good}
 41315 RATTY - 5071
 POOR 5515
 FREE CORROS @ 5950
 5515 - 7165

18% DOW
 0.2% D013 (BVC)
 0.7 gal/sk D604AM - SALINITY
 0.05 gal/sk M045 - Antifoam Agent

Yield = 1.584 ft³/sk
 Mix Water = 6.804 gal/sk
 Density = 16.1 #/gal

24 Hr Compressive Str. = 3800 psi
 Thickening Time = 8.5 hours

are taken from previous treatments at a depth of

cdenvier@ubta.net.com

- 2 curve amplitude display
 - Not run @ pressure (micro annulus)
 - Amplitude is 50 scale maximum
 but pipe is 7"

Schlumberger

Dowell

A Division of Schlumberger Technology Corporation

TREATMENT SUMMARY**5 Liner:****Cement— 175 sks SALT BOND**
containing:

G Cement
35% D086 (BWOC) - Silica Flour
18% D044 (BWOW) - Sodium Chloride
0.2% D013 (BWOC) - Retarder
0.7 gal/sk D604AM - SALT BOND Additive
0.05 gal/sk M045 - Antifoam Agent

Yield = 1.584 ft³/sk
Mix Water = 6.804 gal/sk
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24 Hr Compressive Str. = 3800 psi
Thickening Time = 8.5 hours

Compressive Strength and Thickening Time Info. are taken from previous treatments at a depth of 10,200 ft and approx. 200° F.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT To DRILL OR DEEPEN for such Proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: WATER DISPOSAL WELL

2. Name of Operator:
WATER DISOSAL INC.

3. Address and Telephone Number:
434 E. 2750 N., ROOSEVELT, UTAH 84066 (435) 722-0134

4. Location of Well: 2215' FSL, 1826' FWL, Section 32, T1S, R1W, USM

Footages:

QQ, Sec., T., R., M.: NESW, Section 32, T1S, R1W

5. Lease Designation and Serial Number:

FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name,

FEE

8. Well Name and Number:

HARMSTON 1-32A1

9. AP Well Number:

43-013-30029

10. Field and Pool, or Wildcat:

BLUEBELL

County: DUCHESNE

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input checked="" type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate date work will start 5/23/2001

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Water Injection Inc. plans on running 3500' of 5" P110 or N80 casing inside the current casing and cement same with Class G cement. The 5" casing will be run from 5800' to top of perforations.

Amended 8/31/01 by FAX
from D. Smouse

13.

Name & Signature: _____

DeForrest Smouse

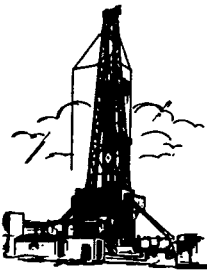
Title: Pres. WDI
Agent for Cris Denver,

Date: 5/22/2001

(This space for State use only)

From: Chris Kierst
To: Gil Hunt
Subject: More WDI stuff

John Baza just came by to say that while writing the letter to Chris Denver, he came to the conclusion that he lacked the authority to temporarily suspend his dumping water to the disposal pits because no DOGM rules have been violated. He will live with dumping to the pits until a disposition of the appeal is made by the county. He says he is uncertain whether the county, itself, has sufficient authority to have a constable stop his operation .



WATER DISPOSAL, INC.

P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532



July 12, 2001

**Division of Oil, Gas & Mining
Attn: Gil Hunt
1594 West North Temple, suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801**

Re: Additional Injection Zone, Harmston 1-32A1

Dear Mr. Hunt:

Enclosed you will find the application for additional zone that Water Disposal Inc. is seeking at this time. The proposed zone would be from 8,200 feet to 9,060 feet. As you are aware we received approval from the board for the zone of 9,060 to 9,205.

If this additional zone is approved by the Division then the total injection zone would be from 8,200 the upper Green River to 9,205. As you also are aware we are still on the well trying to complete work on the approved injection zone.

Our plans are to remove the workover rig next week the week of July 16th and wait for a decision of approval from the division and then return to the Harmston well and complete the work.

If you need any further additional information relating to the proposed Injection zone please let me know as soon as possible. I sure would like to get this approved as quick as possible so that the local residence, planning and zoning, County commission will be happy about reducing the smell and eventually eliminating the odor. I would sure appreciate your help in these matters.

Sincerely,

**Chris Denver, President
Water Disposal Inc.**

Cc: Office copy

RECEIVED

JUL 16 2001

**DIVISION OF
OIL, GAS AND MINING**

**List of Attachment or Additional Information
Water Disposal Inc.
P.O. Box 85
Roosevelt, Utah 84066**

- 1. Location Plat**
- 2. Well Survey Harmston #1-32A1**
- 3. Field Plat showing adjacent wells**
- 4. Recordors Plat (SW1/4)**
- 5. Recorder's Plat (Section 32)**
- 6. Surface Ownership List**
- 7. Affidavit of Service-Certified Mail**
- 8. Duchesne County Commission Letter**
- 9. Structure Map**
- 10. Cross Section A-A**
- 11. Cross Section B-B**
- 12. Well Diagram**
- 13. Well Cement/Plug Diagram**
- 14. Reservoir Volume**
- 15. Schlumberger Certificate Cement Log Analysis**
- 16. Acoustic Cement Bond/Gamma Ray May 3, 2001**
- 17. Additional Information & Proposed Structure of Well**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator Water Disposal Inc.	Utah Account Number N	Well Name and Number Hamston 1-32A1
Address of Operator P.O. Box 85 CITY Roosevelt STATE UT ZIP 84066	Phone Number (435) 722-0134	API Number 43-30224
Location of Well Footage : 2215' FSL & 1826' FWL (NESW) County : Duchesne QQ, Section, Township, Range: NESW 32 T1S R1W State : UTAH		Field or Unit Name Bluebell Lease Designation and Number Fee

Is this application for expansion of an existing project? Yes ☒ No ☐

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒
Date of test: _____

Proposed injection interval: from 8,200 to 9,060

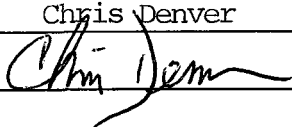
Proposed maximum injection: rate 5,000 pressure 4,300 psig

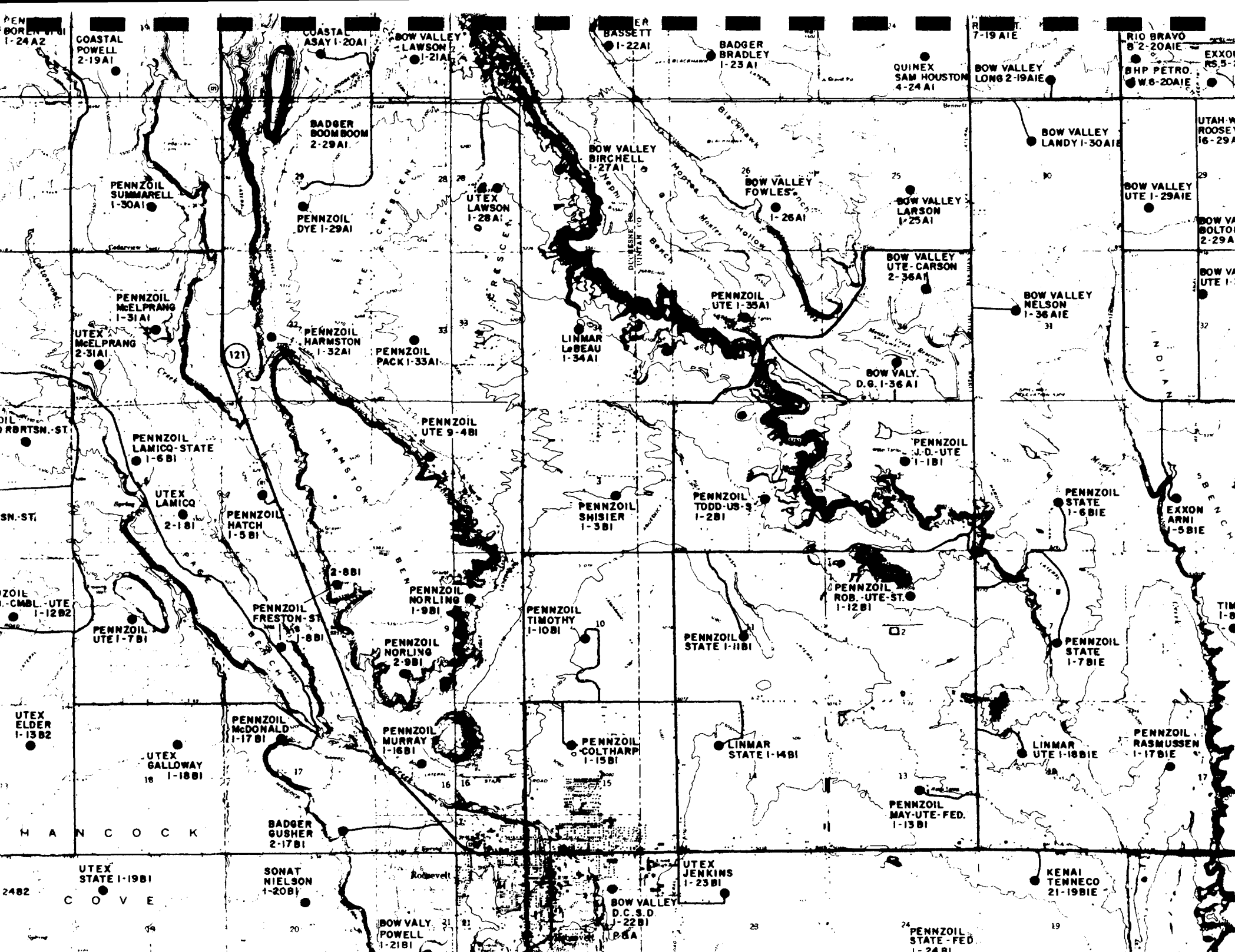
Proposed injection zone contains oil ☐, gas ☐, and / or fresh water ☐ within 1/2 mile of the well.

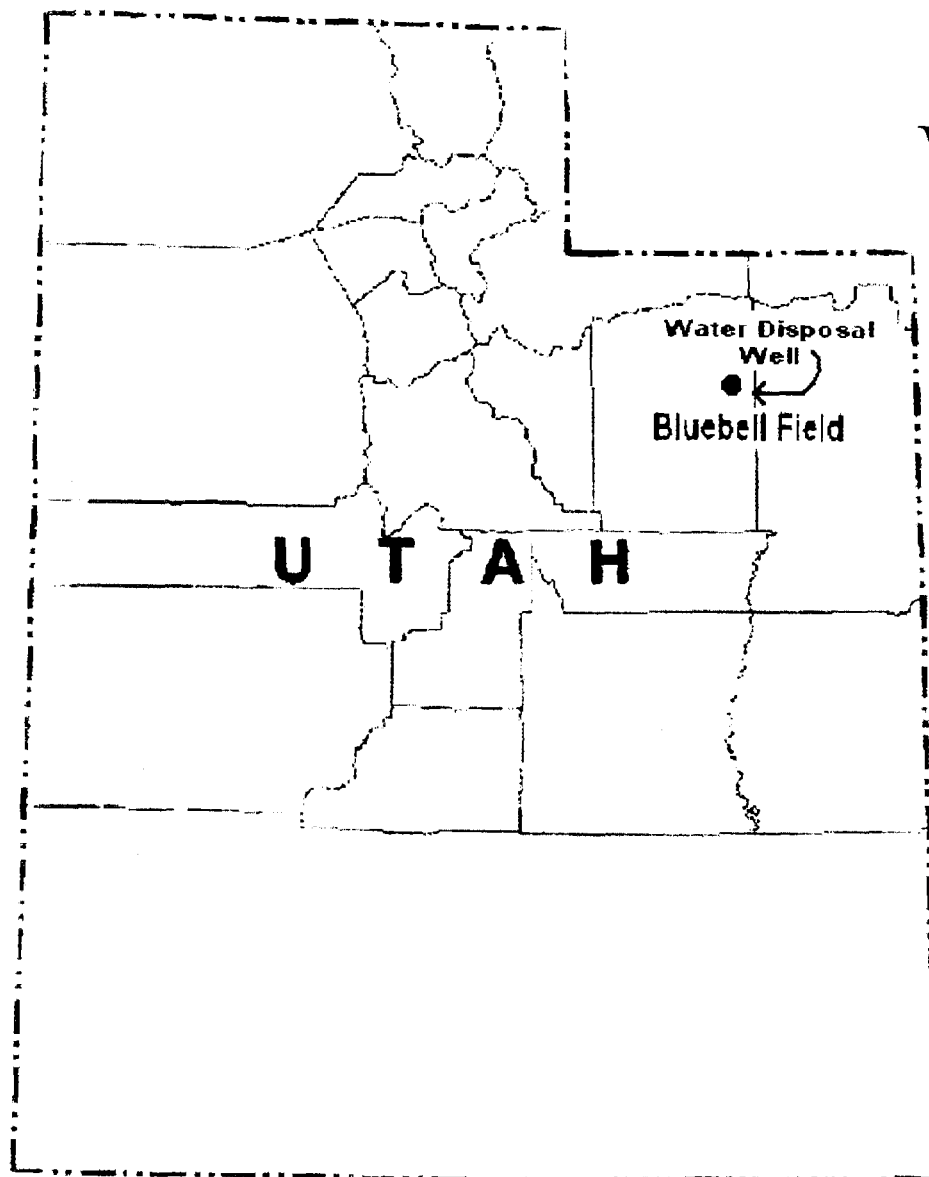
List of attachments: See enclosed packet with exhibits from 1 thru 17

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT
UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Chris Denver Title President
Signature  Date July 12, 2001



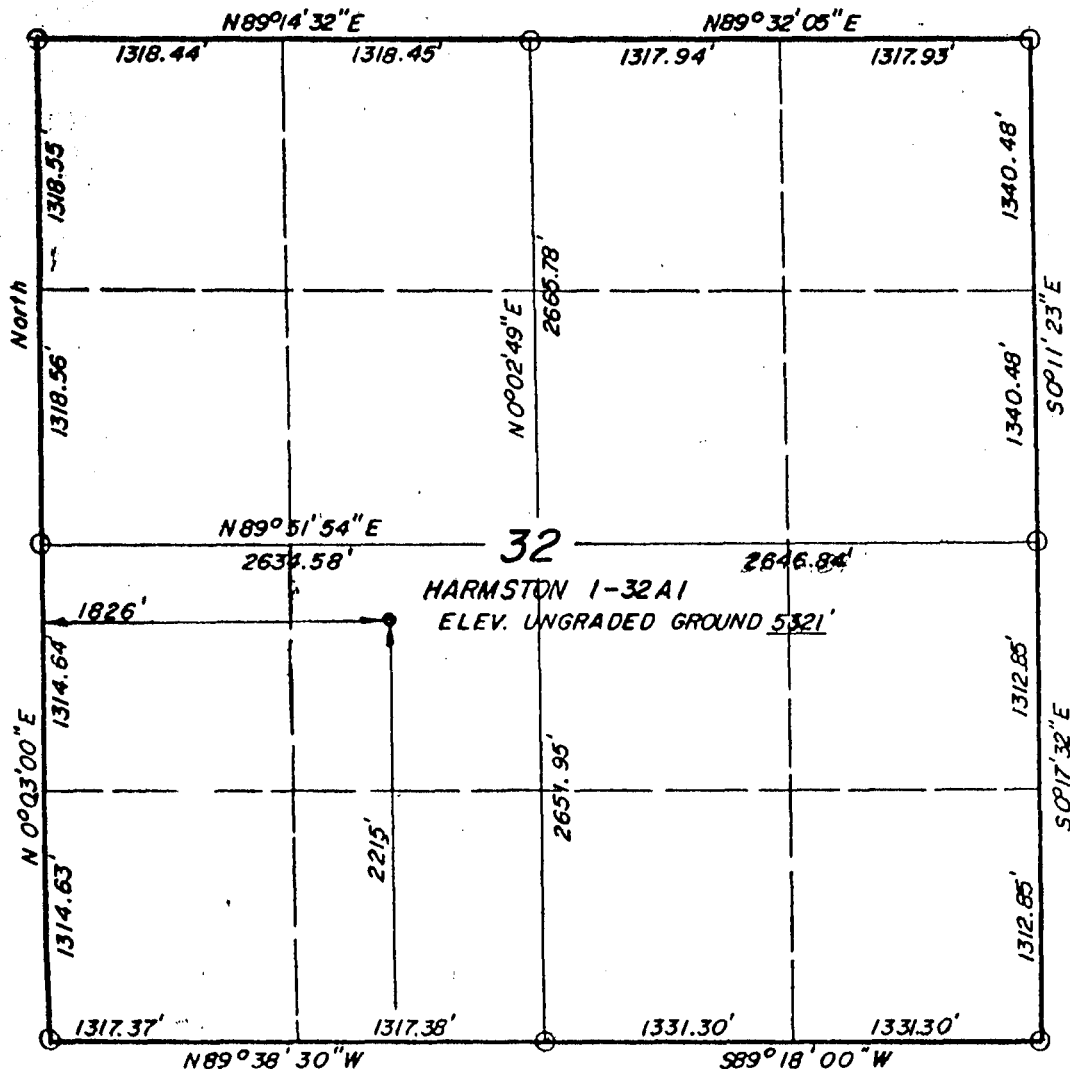


Water Disposal, Inc.

BLUEBELL FIELD
DUCHESNE CO.,
UTAH

PROJECT

TIS, RIW, U.S.M.



○ = Corners located or re-established
Survey performed Jan. 5, 10, 1973

CHEVRON OIL CO.

WELL LOCATION, HARMSTON 1-32A1, IN THE NE 1/4
SW 1/4 SECTION 32, T1S, RIW, U.S.M., DUCHESNE
COUNTY, UTAH

ELEV. REF. POINT 200' WEST = 5329.88'
" " " 250' " = 5331.04'
" " " 300' NORTH = 5320.37'
" " " 350' " = 5321.40'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Nelson Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised 15 Jan. 73

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 11 Jan. 73
PARTY NM BR RR MS CF	REFERENCES G L O
WEATHER VERY COLD	FILE

SUPPLEMENTAL PLAT SW 1/4 SEC. 32,

T.1S, R.1W, U.S.B.&M.

448

MAX RASMUSSEN

LLOYD RASMUSSEN

NORMAN RASMUSSEN

20 AC.

WATER DISPOSAL, INC.

DOCKET No. 2001-011

CAUSE No. 267.1

EXHIBIT 4

444

RICHARD JOHNSON

7/12 INTEREST 47.54 AC.

444-1

TERESA HARMSTON

1/4 INTEREST 20.38 AC.

444-2

KARMA D. MILLER

GORDON E. HARMSTON

HOWARD L. HARMSTON

LEE Y. HARMSTON

VIOLA Y. GALLOWAY—LIFE ESTATE

15.5 AC.

447

BERNICE NELSON 1/6

DIANE/OREL BABCOCK 1/6

LLOYD GARDNER 1/12

CALVIN GARDNER 1/12

BERT R. GARDNER 1/6

BERYL ROOT 1/6

MELBA SWAIN 1/6

20 AC.

446-1

TIM/SANDRA
HEINS

2 AC.

446-3

REED ABBEGGLEN et ux

7.46 AC.

446-2

DUANE H. THACKER et ux

3.80 AC.

445-4
JAMES L.
STEINMETZ
et ux.
0.85 AC.

445-5
JUANITA
SUGGETT et al.
0.35 ac.

445-2

RICKEY L. STEWART
MARY A. STEWART

1.17 AC.

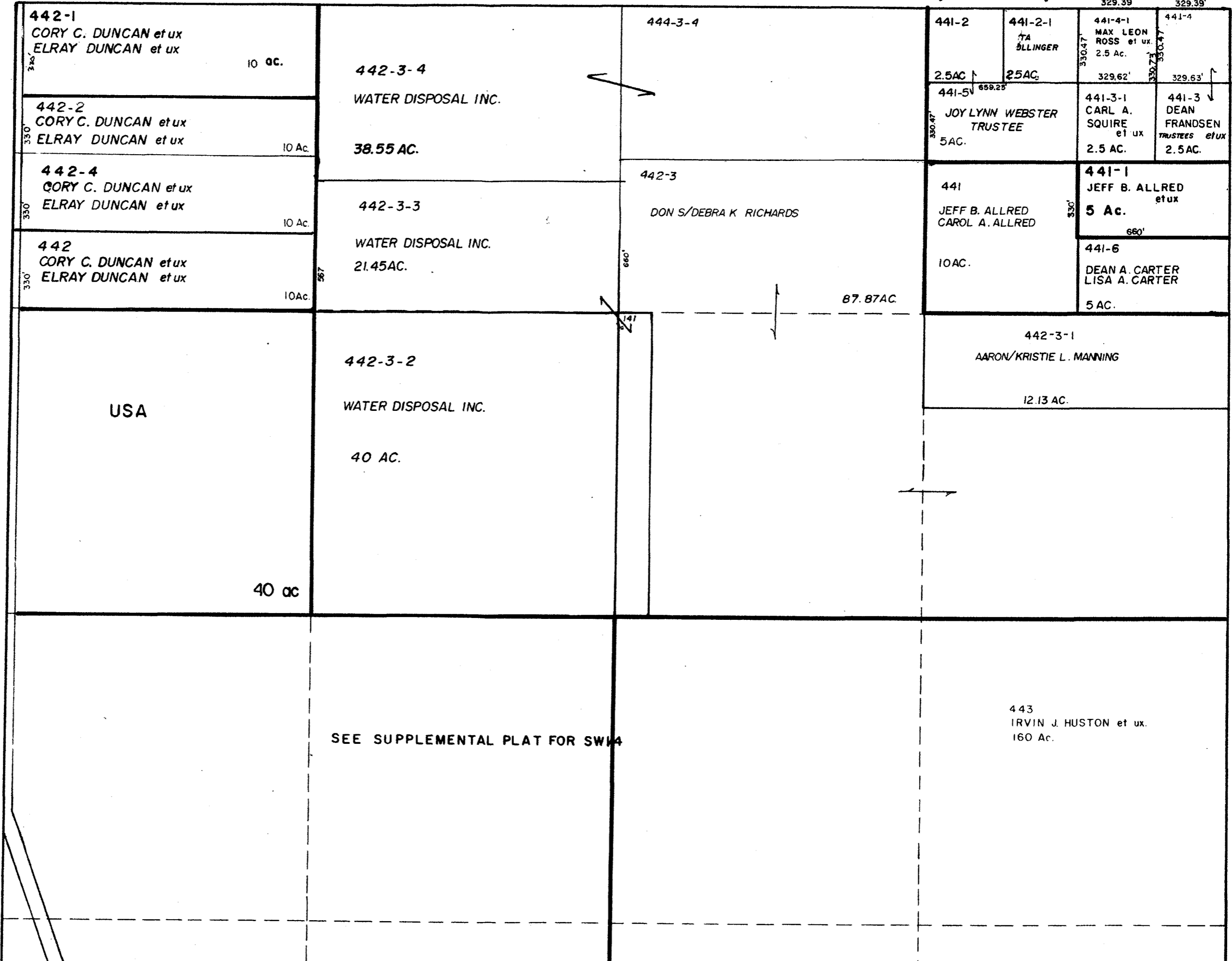
STATE HIGHWAY 12

as. Duchess County Recorder in and for Duchesne
I do hereby certify that the above and foregoing is a
copy of the original.
Plat Current of 12-30-00
Page 2008
I hereby set my hand and
in this office in Book 2008
day of March
Recorder Genese Deputy

SECTION 32, T1S, R1W, USB&M

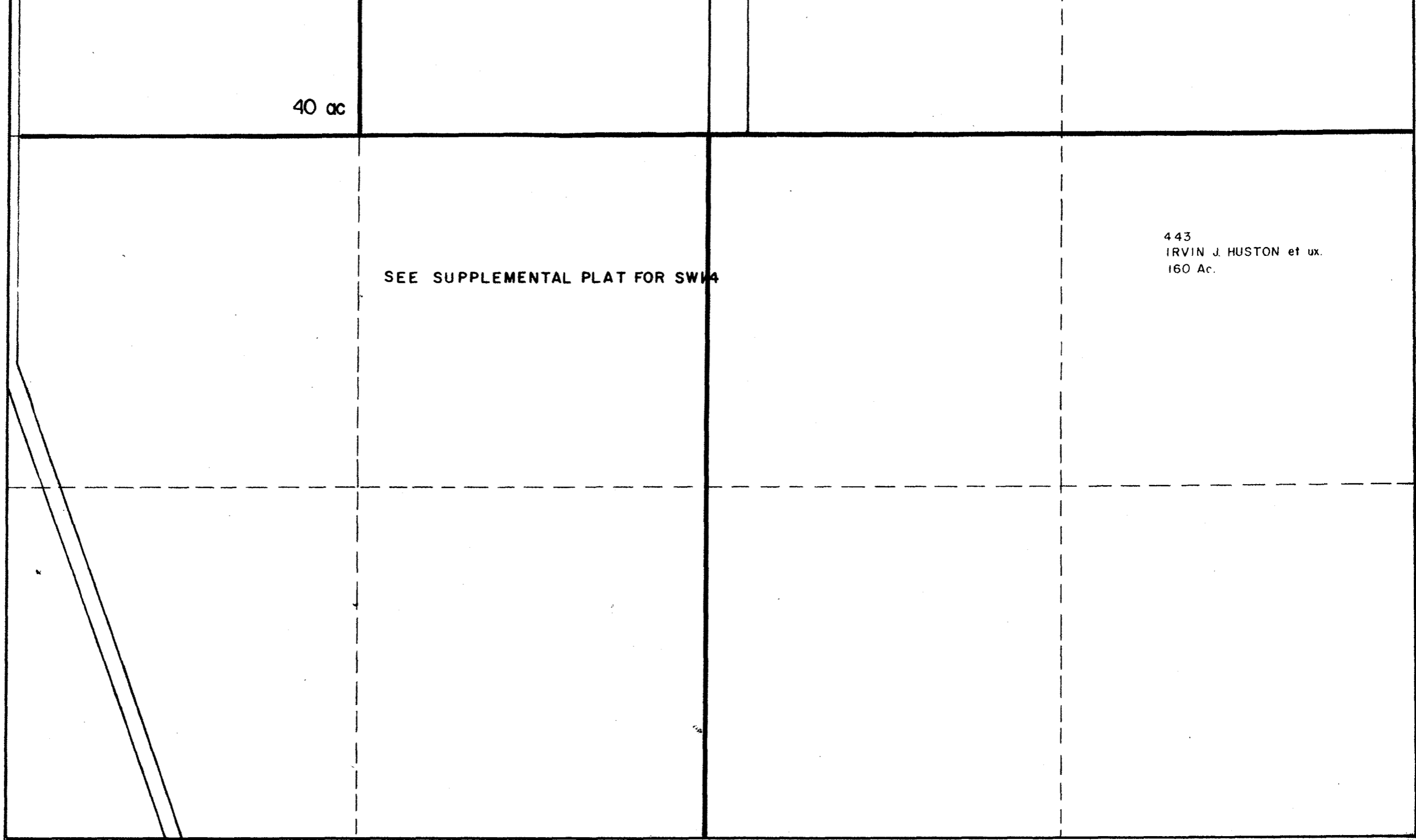
WATER DISPOSAL, INC.
DOCKET NO. 2001-011
CAUSE NO. 267.1

EXHIBIT 5



ss. _____
County Recorder in and for Duchesne
County, Utah, do hereby certify that the above and foregoing is a
true and correct copy of the original.
Filed in this office in Book _____ Page _____
WHEREOF, I hereby set my hand and
seal this _____ day of _____, 2001.
Recorder
Deputy

State of Utah
County of Duchesne ss.
Charlotte Jensen Dep. County Recorder in and for Duchesne
County, State of Utah, do hereby certify that the above and foregoing is a
true and correct copy of the original.
Ownership of Plat Current as of 12-30-00
which is of record in this office in Book _____ Page _____
In WITNESS WHEREOF, I hereby set my hand and
seal this 16th day of March 2001
Charlotte Jensen Recorder
Deputy



40 ac

SEE SUPPLEMENTAL PLAT FOR SW 1/4

443
IRVIN J. HUSTON et ux.
160 Ac.

640
ACRES

SCALE 1" = 400'

Bryce E. & Virginia M. Wamsley
RR 1 Box 1116
Roosevelt, UT 84066-9707

Irvin J. & Dorothy J. Huston
RR 1 Box 1110
Roosevelt, UT 84066-9706

Dean A. & Lisa Carter (Undeliverable)
N. Crescent Rd.
Roosevelt, UT 84066

Cory C. & Pamela Duncan
ElRay Duncan
RR 1 Box 1170
Roosevelt, UT 84066-9711

Ned B. Mitchell Construction, Inc.
P.O. Box 186
Altamont, UT 84001-0186

Jay O'Driscoll
280 N Poco Dr. (10-11)
Roosevelt, UT 84066-3407

Rowland Payne
HC 66 Box 8B-2
Roosevelt, UT 84066

Roger & Ada Horrocks
HC 66 Box 8E
Roosevelt, UT 84066

Gwendolyn H. Duncan
RR 1 Box 1166
Roosevelt, UT 84066

Louis M. & Rodena L. Mannett
19833 Ban Ducci Rd.
Tehachapi, CA 93561-7725

Aaron & Kristie L. Manning
RR 3 Box 3176
Roosevelt, UT 84066-9062

Don S. & Debra K. Richards
357 North 600 East
Roosevelt, UT 84066

Clyde Larsen & Sons Construction
1101 Ropcke Drive
Salt Lake City, UT 84123-7961

Reed Call
24 East 8680 South
Sandy, UT 84070-1510

Mary Stewart
HC 66 Box 6B
Roosevelt, UT 84066

Gale P. & Paula Smith
HC 66 Box 8D
Roosevelt, UT 84066

Floyd A. Horrocks
516 N Highway 121
HC 66 Box 8B-5
Roosevelt, UT 84066

Steven & Jennifer Horrocks
HC 66 Box 8B-1
Roosevelt, UT 84066

Kasandra Olsen
338 Carma Ave.
Roosevelt, UT 84066

Leroy F. & Nancy E. Pectol
RR 1 Box 1055
Roosevelt, UT 84066

Byron & Misty Allred
1643 N. Crescent Rd.
P.O. Box 131
Roosevelt, UT 84066

Kim Hall (Undeliverable)
N. Crescent Rd.
Roosevelt, UT 84066

H. M. & B. A. Cooper
HC 66 Box 6D
Roosevelt, UT 84066

El Paso Production Oil & Gas Company
Attn: G. Len Niles
Nine Greenway Plaza
Houston, TX 77046

Eric & Jolene Danut
HC 66 Box 8C
Roosevelt, UT 84066

Cory & Susie Dye
RR 1 Box 1089
Roosevelt, UT 84066

Francine Fenn
P.O. Box 588
Roosevelt, UT 84066

Vernal Field Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Roger L. & Kathleen M. Powell
RR 1 Box 1108
Roosevelt, UT 84066

Charmaine Hurley
RR 1 Box 1106
Roosevelt, UT 84066

W.P. McAlister, Landman
Devon Energy Production Company, LP
20 North Broadway, Suite 1500
Oklahoma City, OK 73102-8260

DeForrest Smouse, Ph.D.
Quinex Energy Corporation
465 South 200 West, Suite 300
Bountiful, UT 84010

Max Rasmussen
Lloyd Rasmussen
Norman Rasmussen
RR 1 Box 2857
Roosevelt, UT 84066-9557

Reed & Darlene Abegglen
RR 1 Box 1112
Roosevelt, UT 84066-9706

James L. & Marilyn L. Steinmetz
RR 1 Box 1115
Roosevelt, UT 84066-9707

Duane H. & Jackie M. Thacker
HC 66 Box 6A
Roosevelt, UT 84066-9301

Clark B. & Arva M. Abegglen
1279 North 2500 West
Vernal, UT 84078-9610

Rodney O. & Deanna K. Bell
HC 66 Box 6 C
Roosevelt, UT 84066-9301

George A. Kennedy
P.O. Box 1675
Roosevelt, UT 84066

Randy Jackson, Operations Engineering
Devon Energy Production Company, LP
20 North Broadway, Suite 1500
Oklahoma City, OK 73102-8260

Tim Emick
Schlumberger
1735 East 1500 South
Vernal, UT 84078

Duchesne County Commission
P.O. Drawer 270
Duchesne, UT 84021-0270

Bernice Nelson, Diane & Orel Babcock
Lloyd Gardner, Calvin Gardner,
Bert R. Gardner, Beryl Root, Melba Swain
11381 South 1300 West
South Jordan, UT 84095-8237

Tim & Sandra Heins
P.O. Box 143
Roosevelt, UT 84066-0143

Juanita Suggett
6379 Jeff St.
San Diego, CA 92115-6710

Rickey L. & Mary A. Stewart
RR 1 Box 6
Roosevelt, UT 84066-8901

Charles Brad & Shelley Elaine Cozier
P.O. Box 305
Neola, UT 84053

Larry D. & Karen M. Anderton
P.O. Box 71
Roosevelt, UT 84066

C. Wes & Rebecca C. Wilson
P.O. Box 1735
Roosevelt, UT 84066

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& McCARTHY
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P.O. Box 45340
Salt Lake City, UT 84145-0340

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Attorneys for Devon Energy Prod. Co., LP
1850 Beneficial Life Tower
Salt Lake City, UT 84111

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Assistant Attorney General
160 East 300 South, 5th Floor
P.O. Box 140857
Salt Lake City, UT 84114-0857

Bill & Tammie Pierce
RR 1 Box 1105
Roosevelt, UT 84066

Phillip Wm. Lear
SNELL & WILMER LLP
Former Attorneys for Water Disposal, Inc.
15 West South Temple Street, Suite 1200
Salt Lake City, UT 84101

Robert G. Pruitt, Jr., Esq.
PRUITT, GUSHEE & BACHTELL
Attorneys for Coastal Oil & Gas, USA, LP
1850 Beneficial Life Tower
Salt Lake City, UT 84111

Kurt E. Seel
Assistant Attorney General
160 East 300 South, 5th Floor
P.O. Box 140857
Salt Lake City, UT 84114-0857

Gil Hunt, Technical Services Manager
(Hand Delivered)
Utah Division of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Chris J. Malan
General Counsel
Flying J Oil & Gas Inc.
333 West Center Street
North Salt Lake, UT 84054

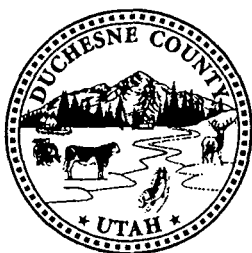
Jeff B. & Carol A. Allred
P.O. Box 131
Roosevelt, UT 84066-0131

Certification of Service

I Chris Denver President of Water Disposal Inc. do Certify that I have notified all Surface owners of record from the Duchesne County Records office. I also have notified all oil companies Independent of otherwise within one half mile.

Chris Denver

WATER DISPOSAL, INC.
DOCKET NO. 2001-011
CAUSE NO. 267.1
EXHIBIT 8



Duchesne County Commission
Guy R. Thayne (Chairman)
Larry S. Ross (Member)
Lorna Stradinger (Member)
P.O. Box 270
Duchesne, Utah 84021

February 20, 2001

Division of Oil Gas and Mining
Mr. Lowell Braxton – Director
Mr. John Baza

Dear Lowell,

To control the smell from surface ponds owned by Water Disposal Inc, North and West of Roosevelt City, the Duchesne County Commission supports the application by Mr. Chris Denver to inject existing pond water and future production water into the existing Harmston 1-32 A 1 plugged well. Our recommendation assumes that the injection well meets the injection well criteria as set forth in the division rules. Draining the ponds and controlling the flows into the well should satisfy the smell and perceived health issues.

During the winter months the smell has been somewhat controlled by the air temperature. As we approach springtime the bacteria will again be activated and create the same circumstances as before.

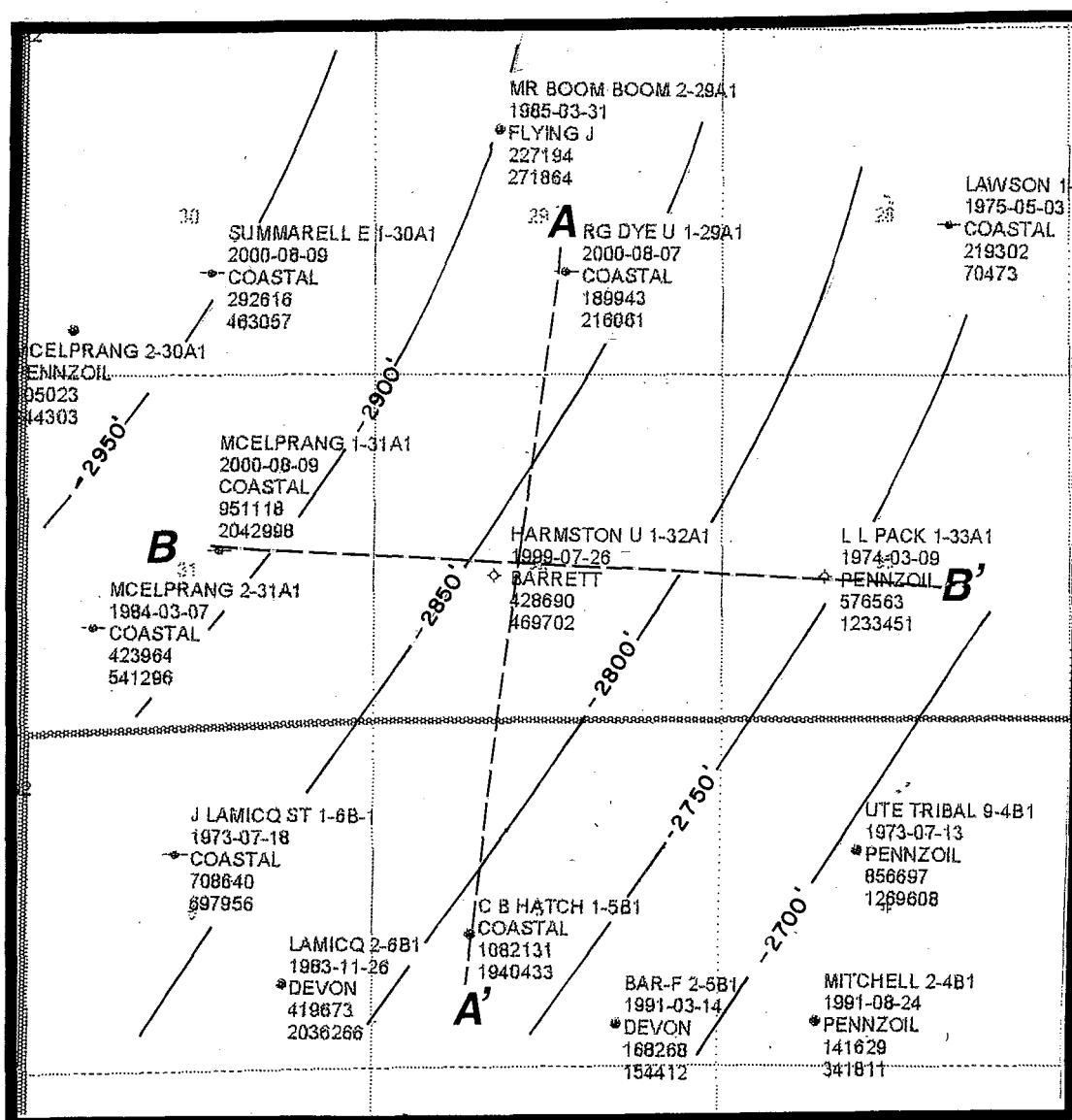
We encourage the division to complete its review and make a decision as soon as possible. Please inform the County Commission and the Planning Department as the process moves forward.

Thank you for your assistance.

Sincerely,

Duchesne County Commission

cc: Chris Denver



Structure Map

**Cross Section – Green River Formation
Base Mahogany Bench Marker**

1S/1W

FLYING J OIL
LAWSON

1-21A1

~3711

L
OM
9A1

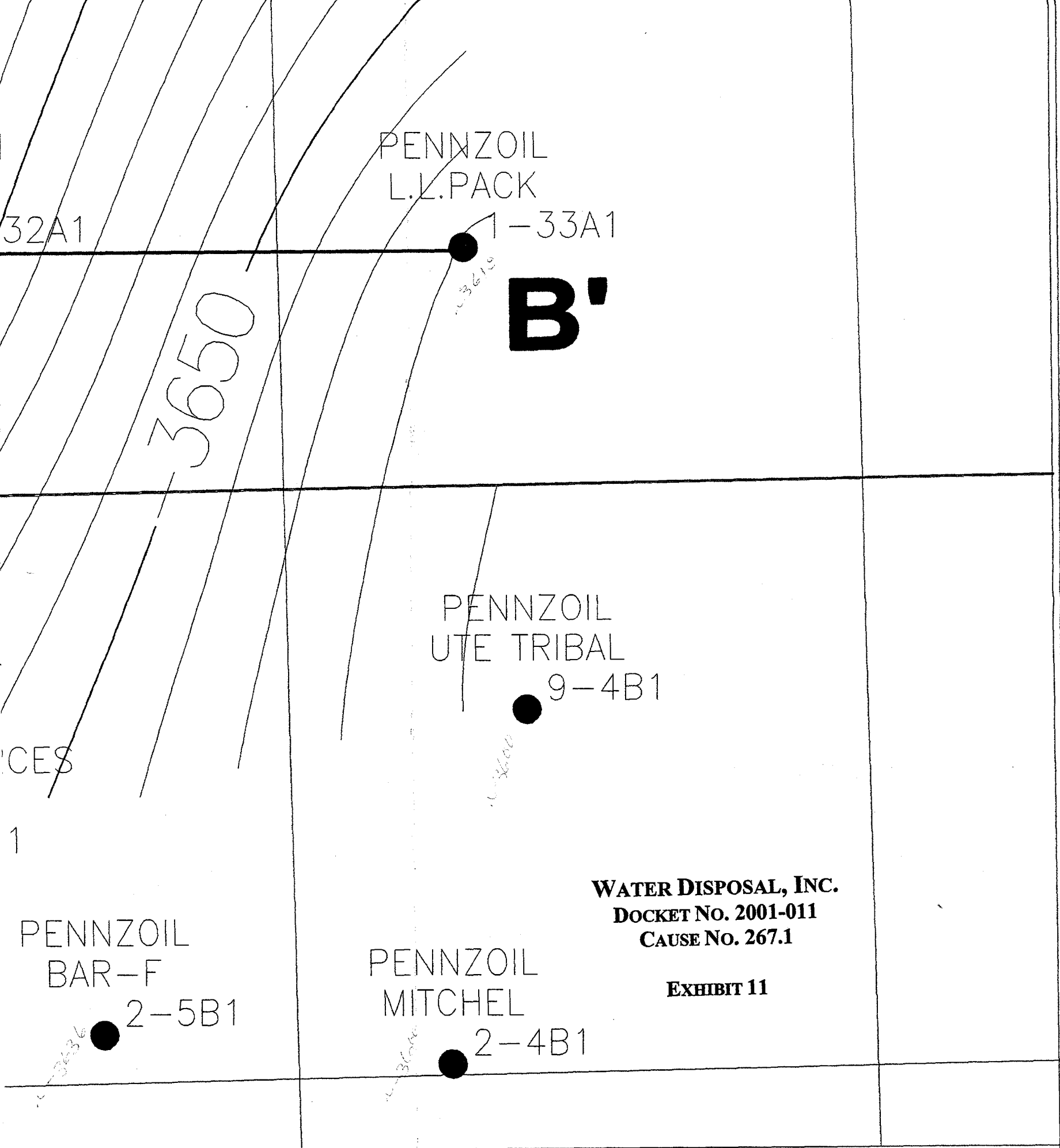
IG J OIL
G.DYE

1-29A1

A

3700

~3727



0. feet

Black Coral LLC		
ALTAMONT/BLUEBELL Structure Contour on the Top Green River Fm. ("H" marker)		
J.R.Henderson		1/5/01
	Scale 1:12000.	

19

PENNZOIL
SUMMARELL

1-30A1

W-3530

FLYING J O
MR. BOOM BO

2-2

3768

FLYIN
R.

3750

BARRETT RESOURCES
MCELPRANG-UTE

MEDALLION
HARMSTON

1-31A1

BARRETT RESOURCES
MCELPRANG

2-31A1

B

BARRETT RESOURCES
JOHN LAMICQ STATE

1-6B1

PENNZOIL
LAMICQ

2-6B1

BARRETT RESOUR
C.B. HATCH

1-5B

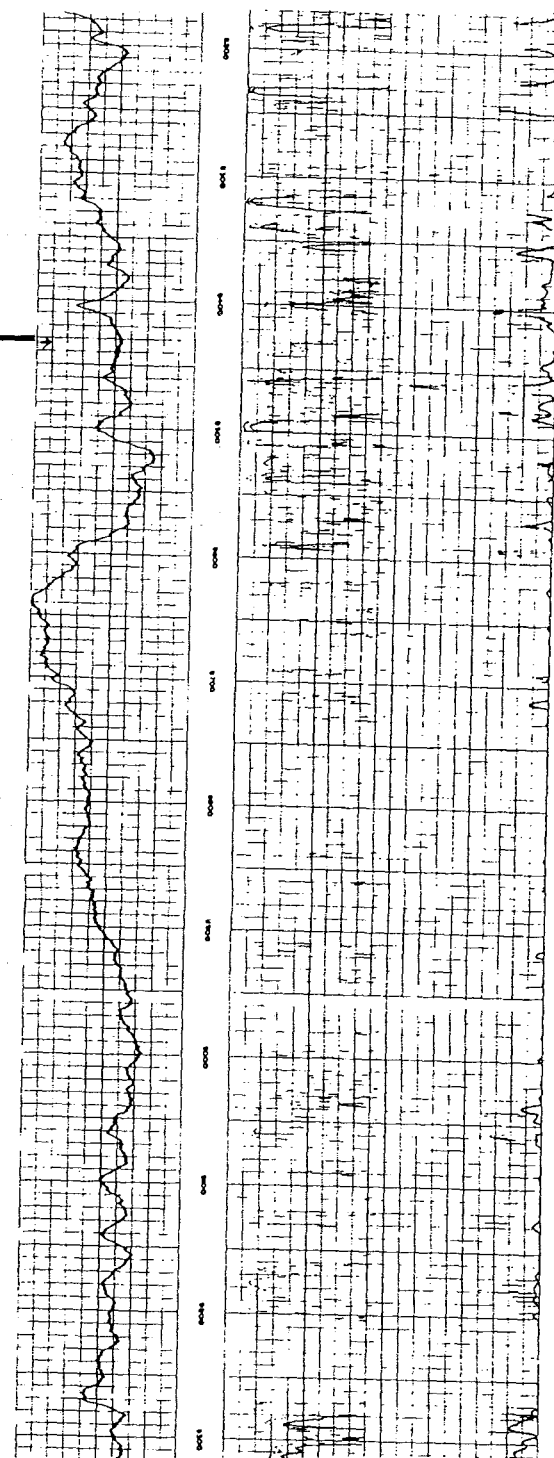
A'

Scale 1:12000.

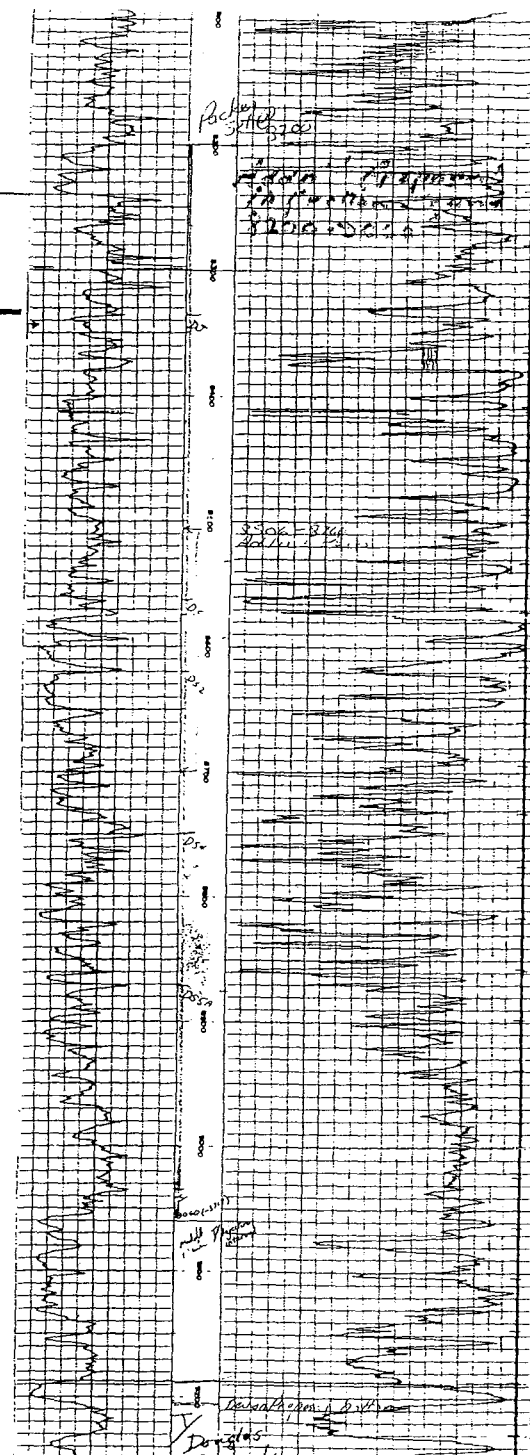


PENNZOIL
McElprang 1-31A1
Sec. 31, T1S, R1W

B

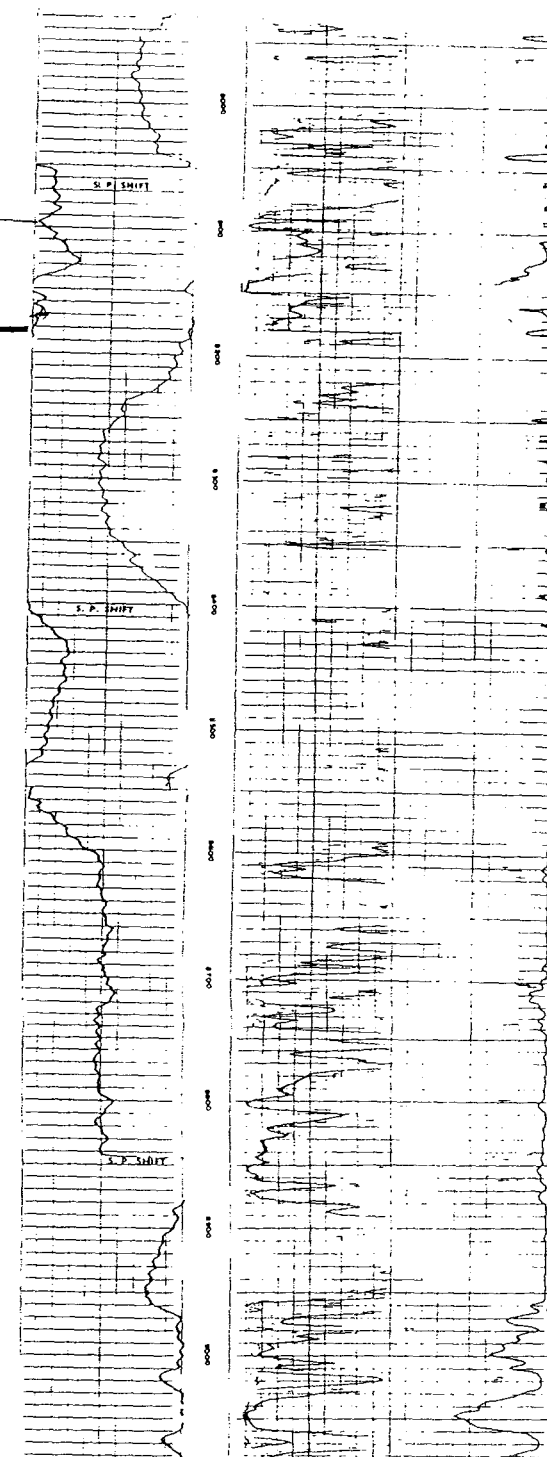


PENNZOIL
Harmston 32-A1
Sec. 32, T1S, R1W



PENNZOIL
Pack 1-33A1
Sec. 33 T1S, R1W

B'

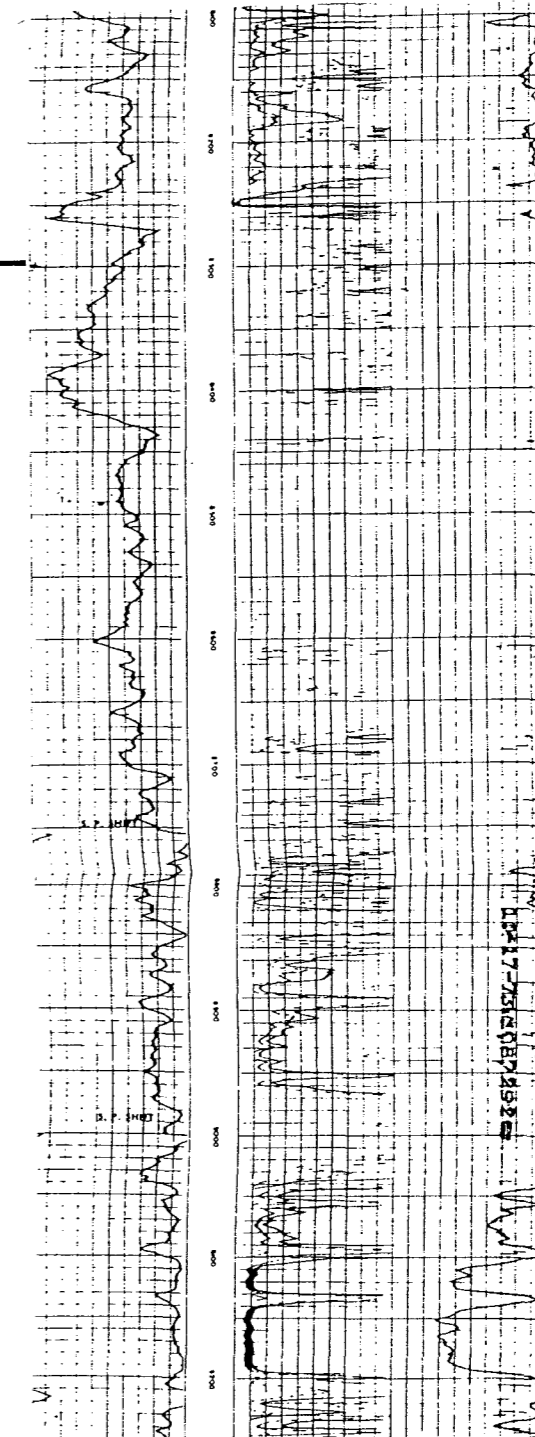
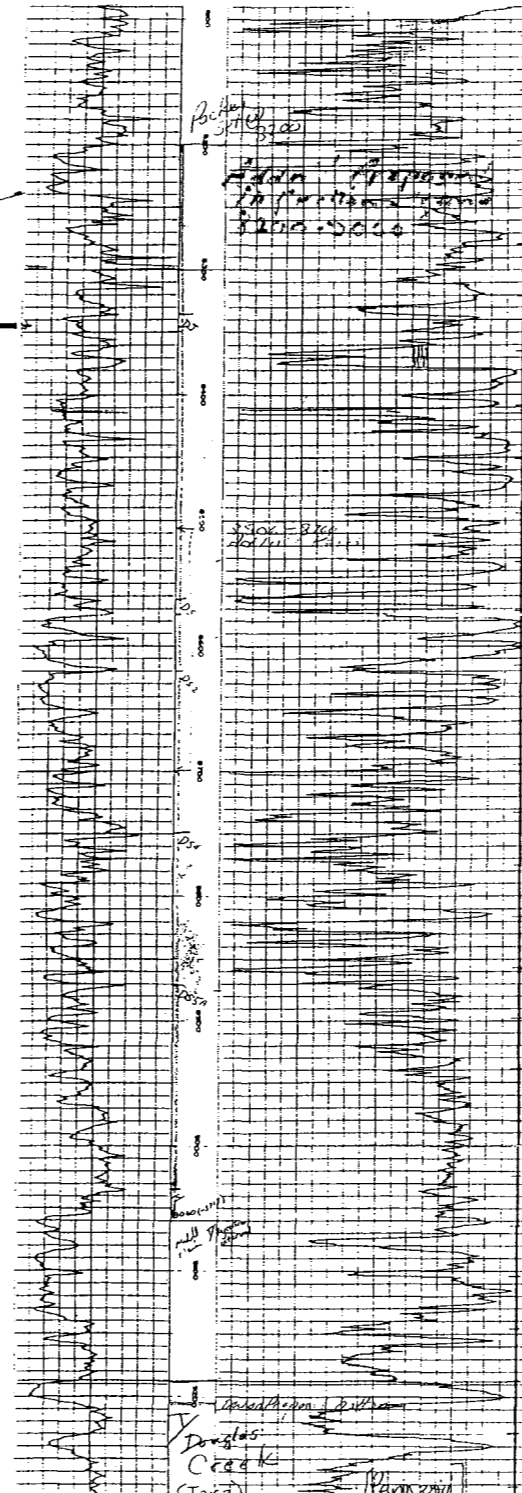
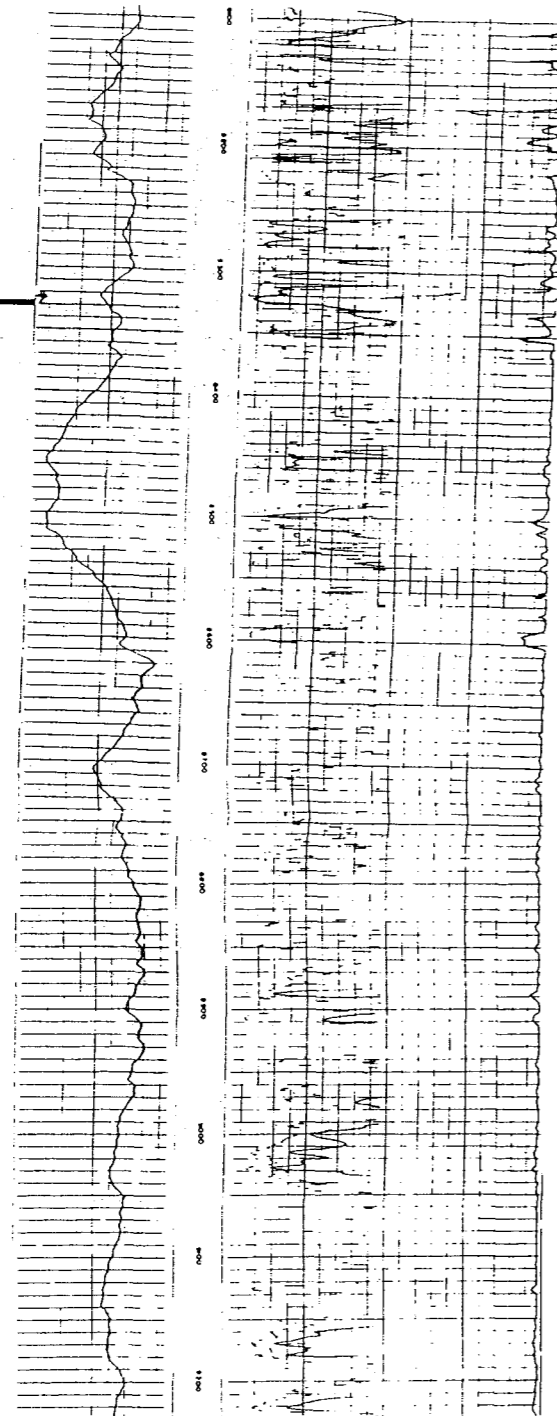


PENNZOIL
R.G. DYE 1-29A1
Sec. 29, T1S, R1W

PENNZOIL
Harmston 32-A1
Sec. 32, T1S, R1W

PENNZOIL
C.B. Hatch 1-5B1
Sec. 5, T2S, R1W

A

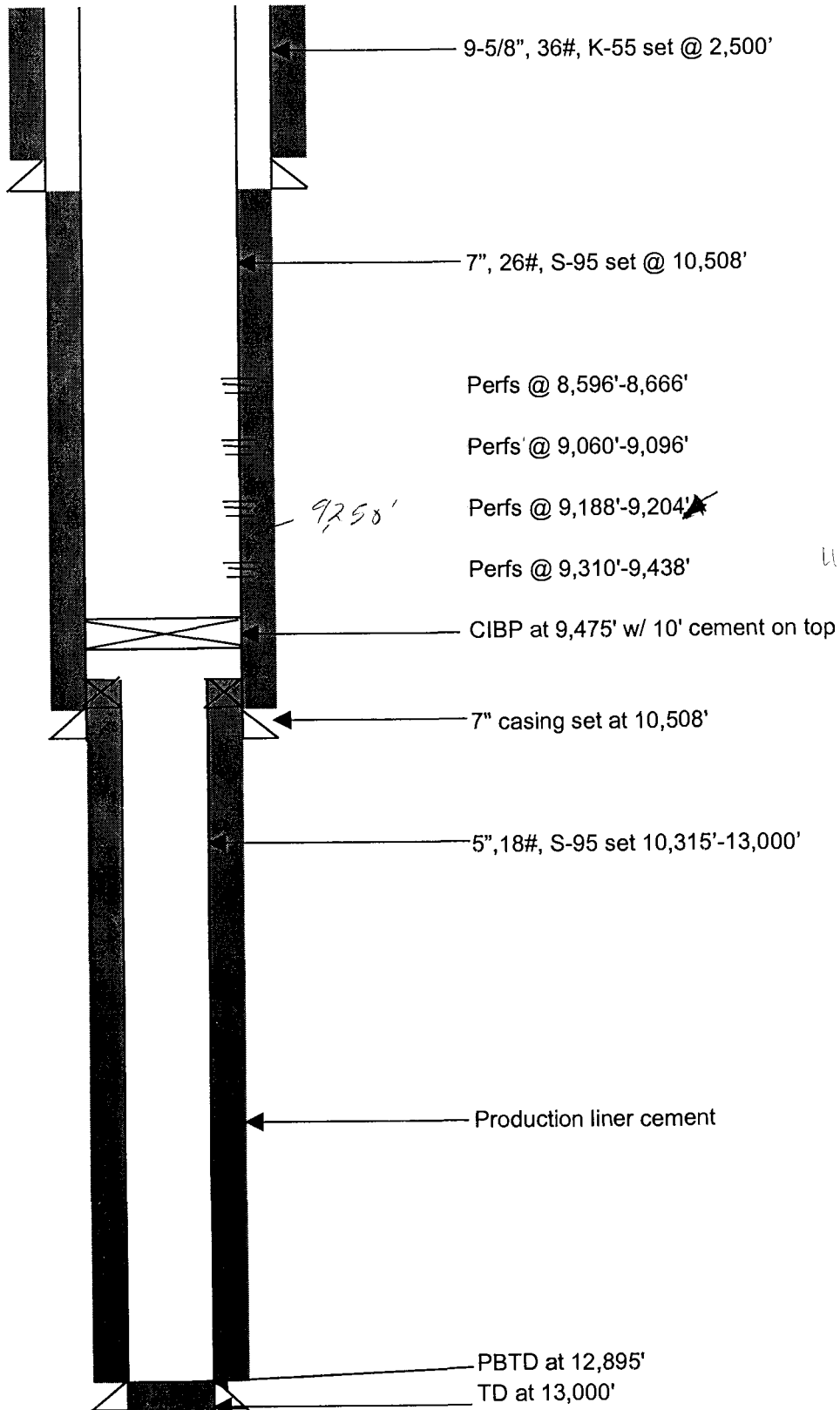


A'

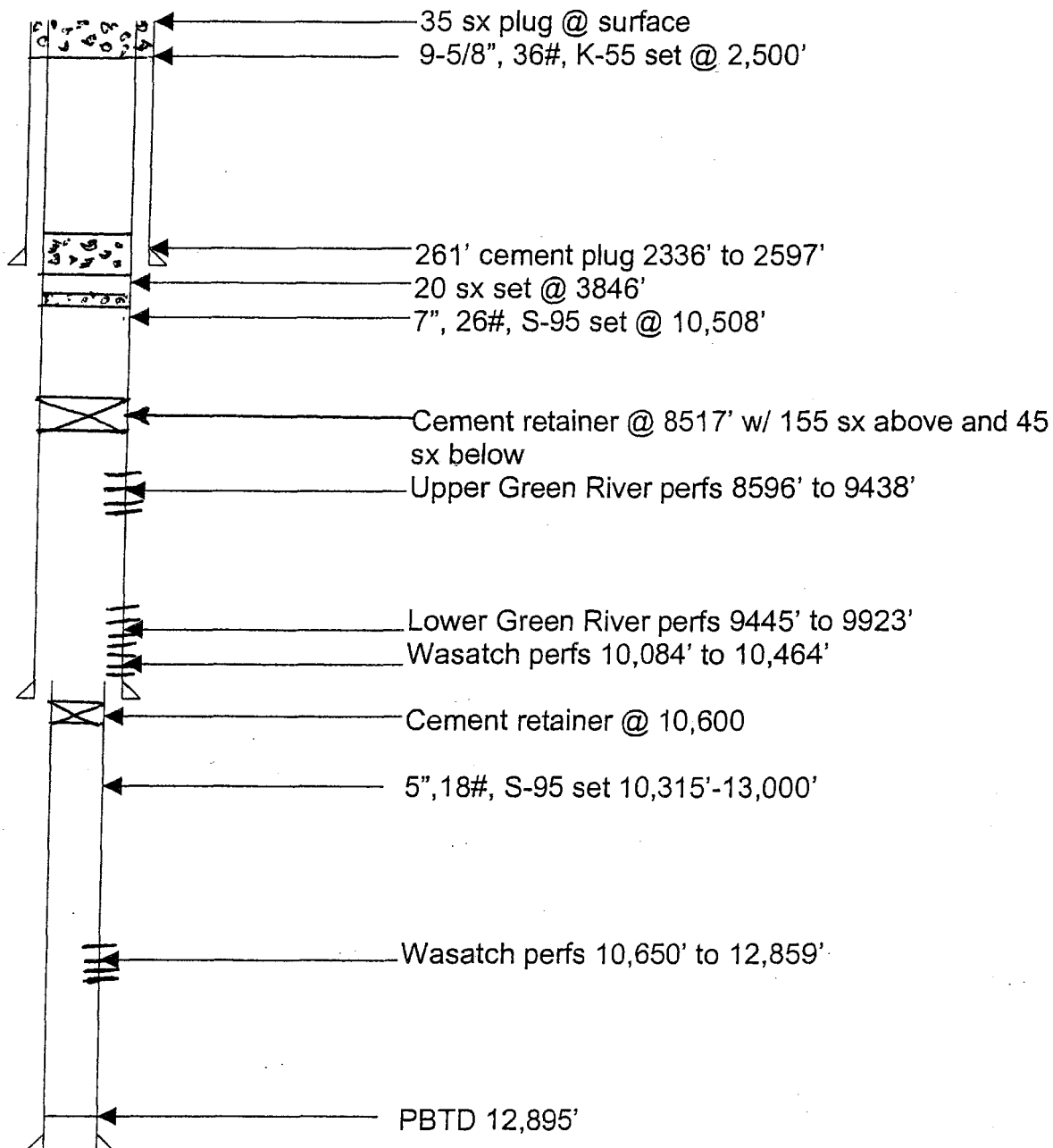
-3,000'

HARMSTON #1-32A1

Sec. 32, T1S, R1W
Duchesne County, Utah



HARMSTON #1-32A1
Sec. 32, T1S, R1W
Duchesne County, Utah



Reservoir Volume Available
(640 Acres)

$$\text{Pore space available} = \frac{7,758 \times \text{Porosity} \times \text{Net Feet} \times \text{Area}}{1.0}$$

$$\text{Pore space available} = \frac{7,758 \times .178 \times 198 \times 640}{1.0}$$

$$\text{Pore space available} = 174,990,689$$

Oilfield Services

1735 E. 1500 South Vernal.
UT 84078 Tel 435-789-3394
Fax 435-789-3903

WATER DISPOSAL, INC.
DOCKET NO. 2001-011
CAUSE NO. 267.1
EXHIBIT 17

Schlumberger

March 19, 2001

Dear Sirs,

We were asked to look at the CBL and CET logs on the Harmston # 1-32A 1 well. We looked at the interval between 8900-9400. The objective was to look for evidence of channels behind pipe. It is our opinion based solely on the 2 logs run on the well that there is no channel in this interval. There is good evidence of a channel at the bottom of the well, and there are of course cement problems sporadically up the hole. The interval in question shows much evidence of gas contamination, however the cement appears to be in place. Considering the state of the well (perforations open both above and below) the odds of getting a more definitive evaluation are very low. It also appears that the chance of damaging the cement in place trying to squeeze into this interval is also good. Our interpretations are based upon log data obtained years ago, however the data appears valid and if correct the interpretation should be valid.

Thank you,


Tim Emick

District Sales

The use of and reliance upon this recorded data by the user (and any of its affiliates, partners, consultants and employees) is subject to the terms and conditions in our current price book including (a) restrictions on the use of recorded data; (b) disclaimers and waivers of warranties and representations regarding the company's use and reliance upon the recorded data; and (c) customers full and sole responsibility for any inference drawn or decision made in connection with the use of this recorded data.

QUINEX ENERGY CORPORATION

465 South 200 West
Suite 300
Bountiful, Utah 84010
(801)292-3800
Fax: (801) 295-5858

Fax Cover SheetDate 8/31/2001

To Mike Hebertson
Utah Div. of Oil Gas & Minerals

FAX NUMBER: 801-359-3840

From: _____

Number of pages including cover sheet: 2**Message**

Mike - Here is Sunday notice for Chris Kierst.
He said to send to you

Sent by: D. Swann Telephone: 292-3800 FAX: 295-5858

PLEASE CALL IF YOU HAVE QUESTIONS REGARDING THIS TRANSMISSION.

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

3. Lease Designation and Serial Number:

FEE

6. If Indian, Alutian or Tribe Name:

FEE

7. Unit Agreement Name:

Harnston 1-32A1

8. Well Name and Number:

Harnston 1-32A1

9. API Well Number:

43-013-30224

10. Field and Pool, or Wildcat:

BLUEBELL

County: Duchesne

State: Utah

1. Type of Well: OIL ☐ GAS ☐ OTHER: Disposal Well

2. Name of Operator: Water Disposal Inc.

3. Address and Telephone Number:

P.O. Box 85, Roosevelt, Utah 84066

4. Location of Well:

Footages: 2214' FSL, 1826' FWL, Sec. 32, T1S, R1W

Oil Sec., T., R., M.:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input checked="" type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Water Disposal Inc. plans to run 2700' of N80, 18# casing and cement same to provide casing integrity between the following footages in the well: 5850-8550'. Cementing proposal will be the same as per former notices.

JUL 20 09 50

19.

Name & Signature:

*DeForrest Smouse*Water
DeForrest Smouse agent for Disposal

Title:

acting agent

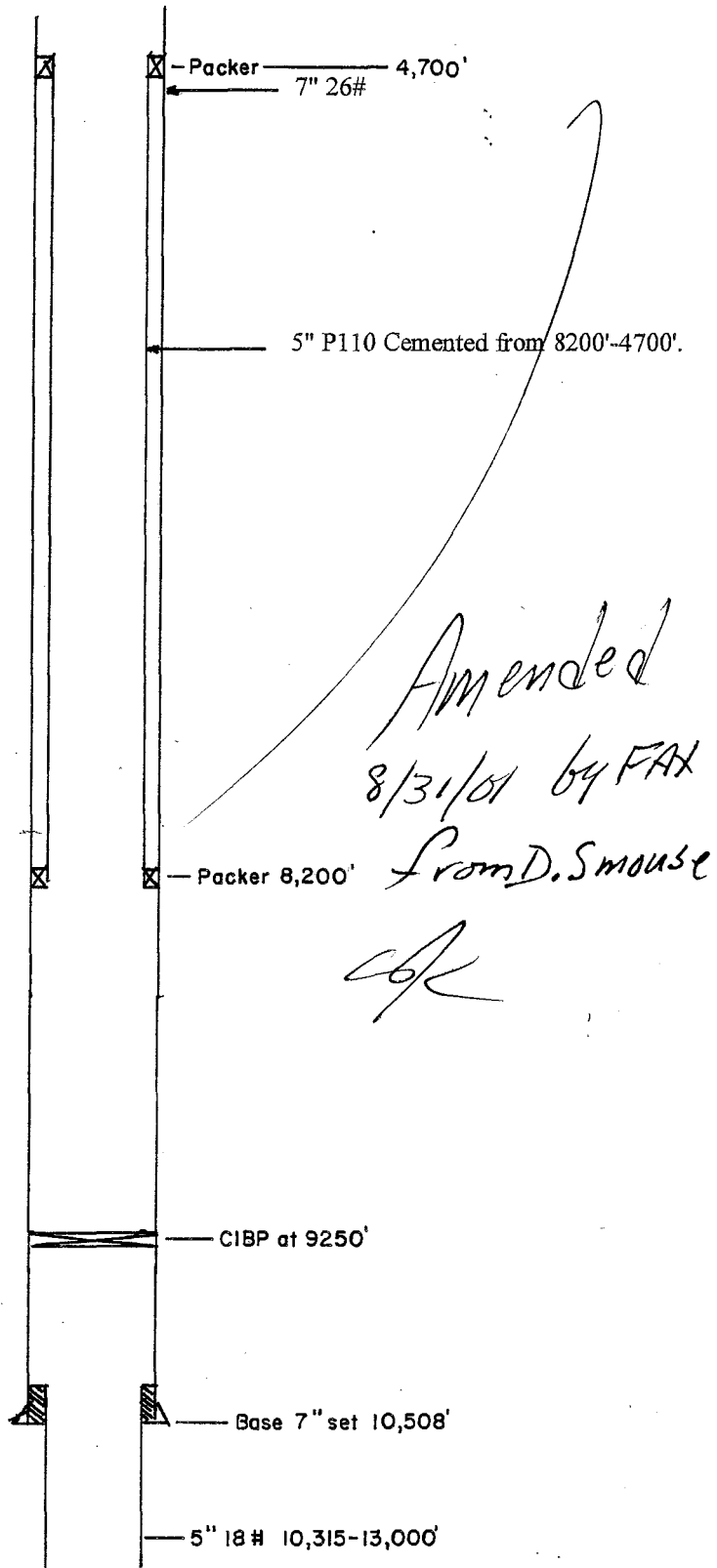
Date: 8/31/2001

(This space for State use only)

Harmston #1-32A1

Section 32, T1S, R1W
Duchesne County, Utah

Chris,
This was brought
in by DeForest.



HARMSTON #1-32A1

Sec. 32, T1S, R1W
Duchesne County, Utah
Proposed Application

9-5/8", 36#, K-55 set @ 2,500'

HOLE CASING @ 5,950'
6 1/2" 18#

7", 26#, S-95 set @ 10,508'

Set Packer @ 8,200'

Perf 8,5060-8,700

Perfs @ 9,060'-9,096'

Perfs @ 9,188'-9,204'

*UPPER
GREEN RIVER*

CIBP at 9,250' w/ 10' cement on top

7" casing set at 10,508'

5", 18#, S-95 set 10,315'-13,000'

Production liner cement

PBTD at 12,895'

TD at 13,000'

QUINEX ENERGY CORPORATION
465 SOUTH 200 WEST
BOUNTIFUL, UTAH 84014

Telephone: (801)292-3800

Fax: (801)295-5858

FAX

TO: Christopher Kierst

FAX#: 801 - 359 3940

FROM: DeForrest Smouse

DATE & TIME: Aug. 23, 2001 15:30

SUBJECT: Plats on Harnston 1-32A1

PAGES: Including cover sheet: 3

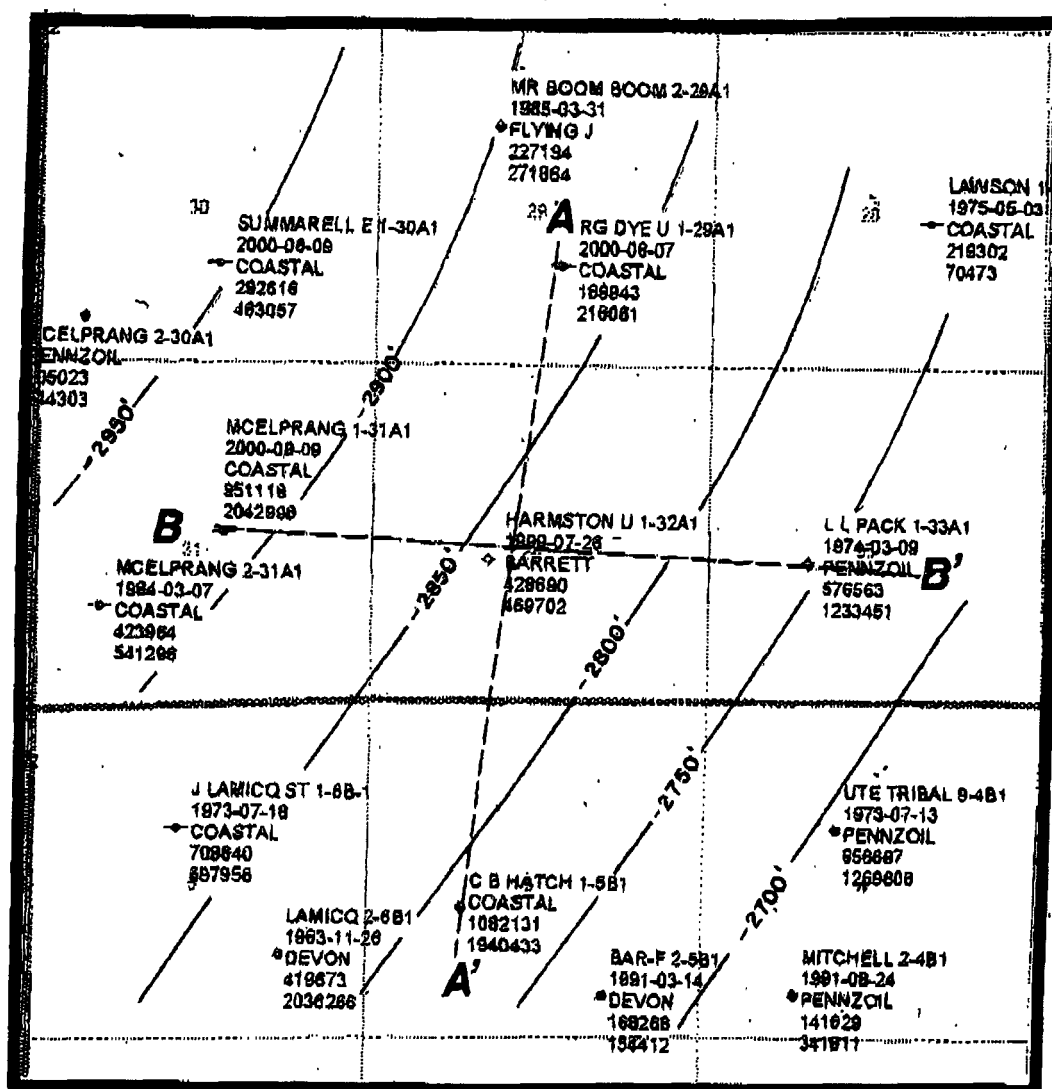
Notes:

I am having a difficult time getting good logs for the cross-section

RECEIVED

AUG 23 2001

DIVISION OF
OIL, GAS AND MINING



Structure Map

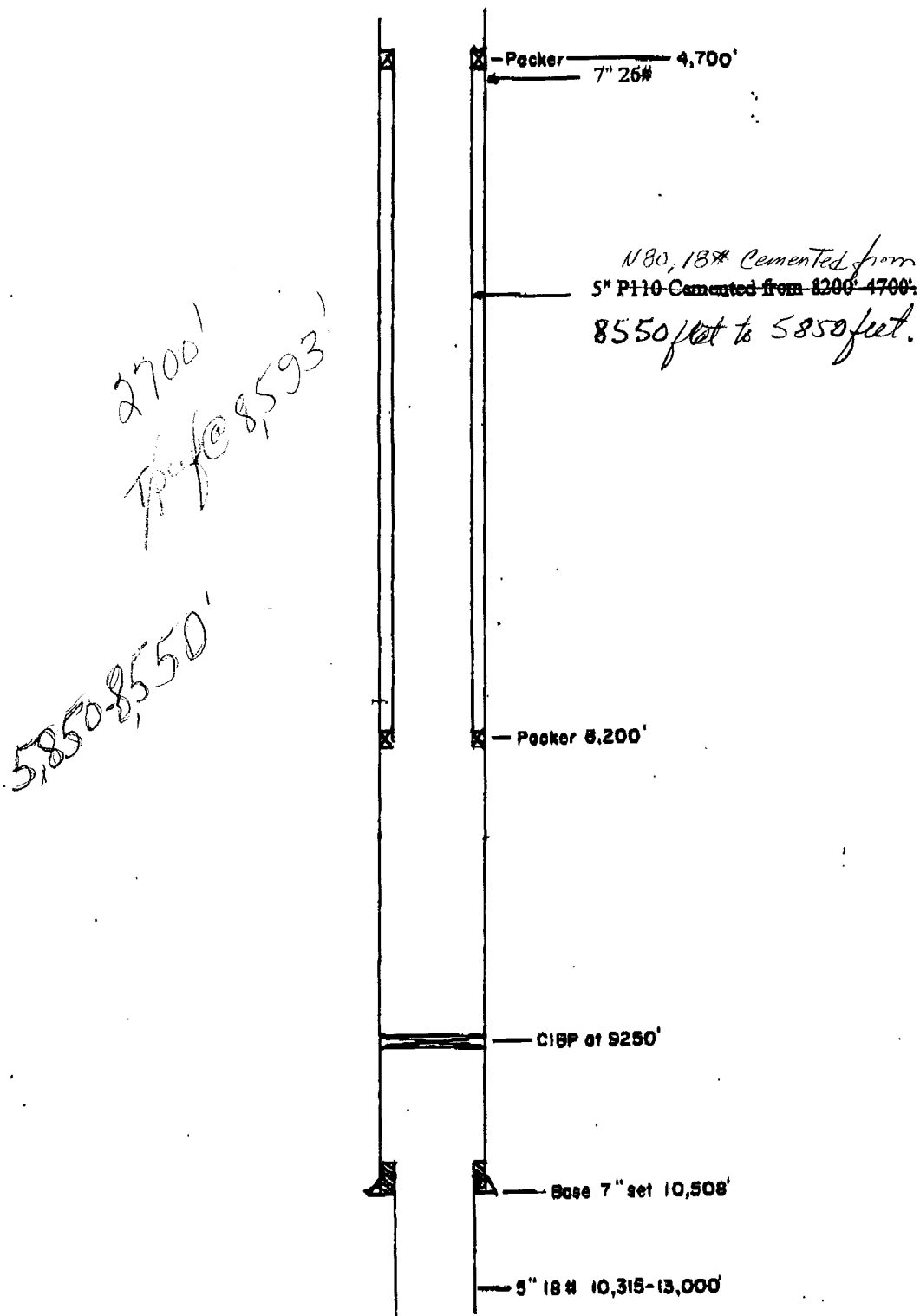
Cross Section - Green River Formation
Base Mahogany Bench Marker

(actually previous pick minus 200') (Green River "H")

Harmston #1-32A1

Section 32, T1S, R1W

Duchesne County, Utah



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN for such Proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: WATER DISPOSAL WELL

2. Name of Operator:

WATER DISOSAL INC.

3. Address and Telephone Number:

434 E. 2750 N., ROOSEVELT, UTAH 84066 (435) 722-0134

4. Location of Well: **2215' FSL, 1826' FWL, Section 32, T1S, R1W, USM**

Footages:

QQ, Sec., T., R., M.: **NESW, Section 32, T1S, R1W**

5. Lease Designation and Serial Number:

FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name,

FEE

8. Well Name and Number:

HARMSTON 1-32A1

9. AP Well Number:

43-013-30029

10. Field and Pool, or Wildcat:

BLUEBELL

County: **DUCHESNE**

State: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input checked="" type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate date work will start **5/23/2001**

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Water Injection Inc. plans on running 3500' of 5" P110 or N80 casing inside the current casing and cement same with Class G cement. The 5" casing will be run from 5800' to top of perforations.

*Amended 8/31/01 by FAX
from D. Smouse*

13.

Name & Signature:

DeForrest Smouse

DeForrest Smouse

Pres. WDI

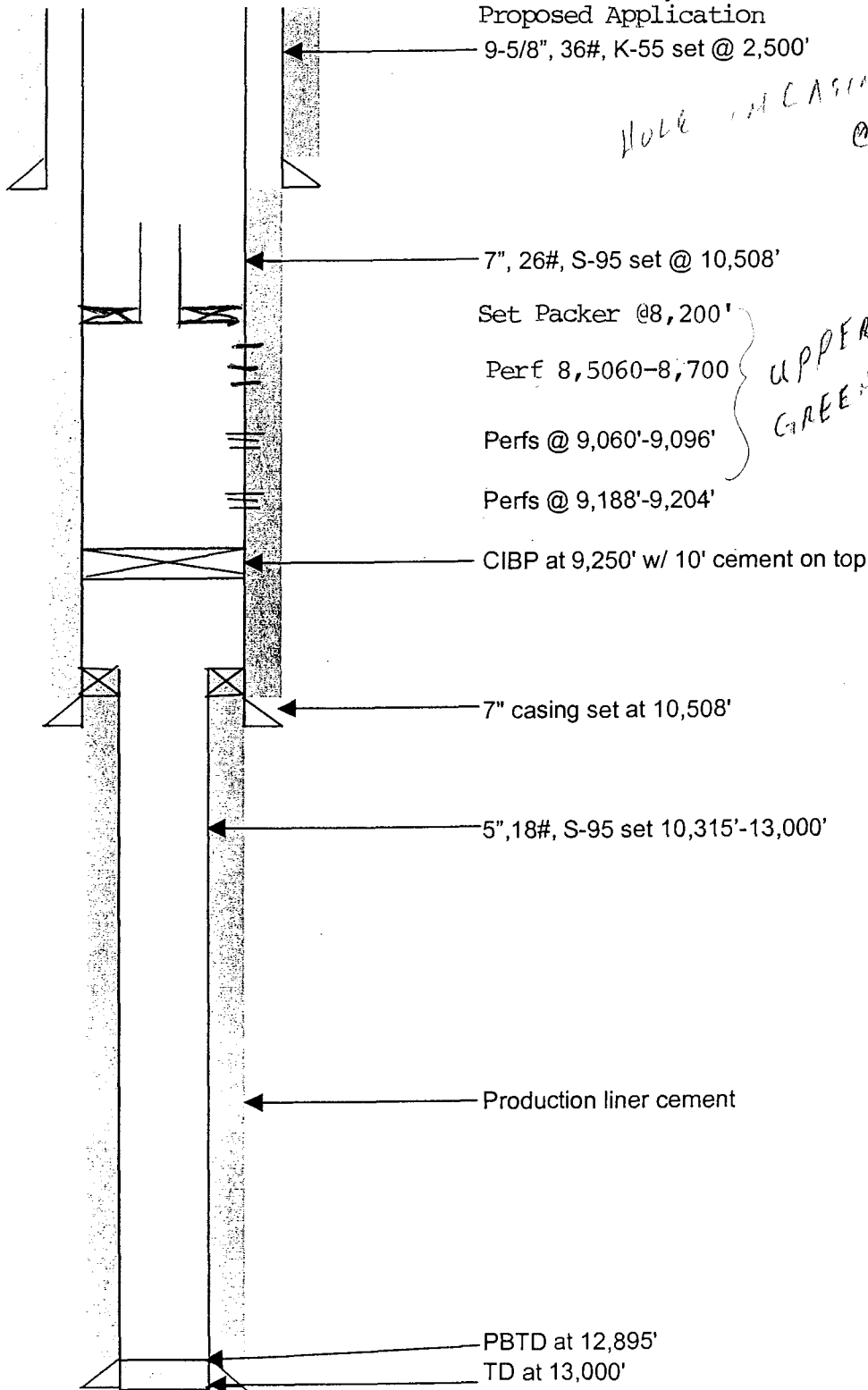
Title: **Agent for Cris Denver,**

Date, **5/22/2001**

(This space for State use only)

HARMSTON #1-32A1

Sec. 32, T1S, R1W
Duchesne County, Utah
Proposed Application



Hole casing @ 5950'
6" liner 18#

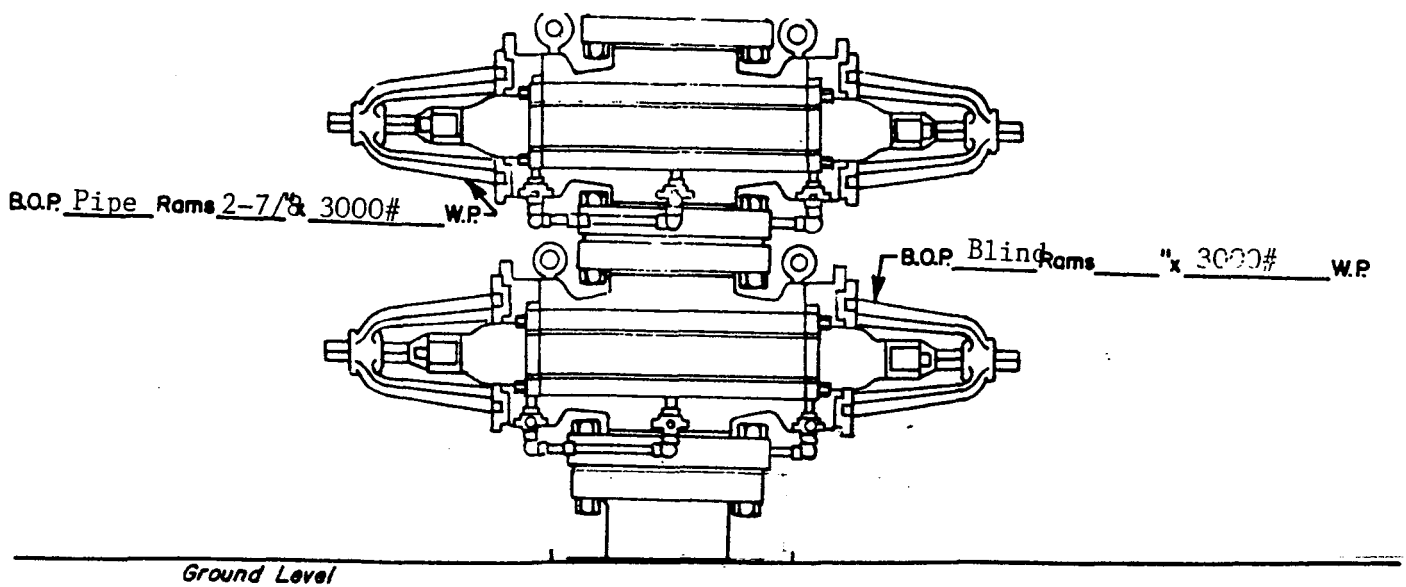
UPPER
GREEN RIVER

Additional Information

1. Formation tops
 Uinta 2920'
 Green River 8200'
 Wasatch 10,493'
2. No oil or gas will be encountered. The Green River interval to be injected into has swabbed only water in past tests. All others are cased off.
3. The circulating medium for the drilling and completion of the reentry will be produced water from commercial disposal pits adjacent to the well.
4. Logs to be run are: CBL W/ GR.
5. Anticipated bottom hole pressure is 2500#.
6. Surface wellhead equipment to be rated to 3000#.
7. Chris Denver, President of Water Disposal, Inc, owns the Surface.
8. This well is currently plug and abandon. The well will be reentered for the purpose of completion as a class II injection well in the Green River Formation. The proposed injection interval is 9,060' to 9,204'. It is cased with cement plugs in the wellbore.
9. This well was originally drilled and completed as an exception location. However, as the intended injection interval (9,060'-9,204') was found to be nonhydrocarbon bearing in a past completion attempt, no approval is required by mineral owners in the area.
10. Contact person for Water Disposal, Inc.:

Chris Denver
Paul Wells
P.O. Box 85
Roosevelt, Utah 84066
435-722-2922

Proposed Well Control



WELL HEAD B.O.P.
3000 # W.P.

- ☐ Manuel
- ☒ Hydraulic



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

August 16, 2001

Chris Denver
President
Water Disposal, Inc.
PO Box 85
Roosevelt UT 84066

Re: Request for amendment of the permitted interval, Water Disposal, Incorporated
Harmston 1-32A1 SWD well, Section 32, Township 1 South, Range 1 West
(USM), Duchesne County, Utah.

Dear Mr. Denver:

Enclosed please find a UIC Injection Permit Analysis Form which provides a listing of the regulation-stipulated requirements for complete processing of an Application for Injection Well, UIC Form 1, such as you have submitted for the subject well. Opposite the column listing the requirements is another column, listing two deficiencies, with comments, which were observed in the submitted information package under the regulation heading which governs that portion of the requirements. While we can work around some deficiencies, others are considered fatal flaws, calling for a suspension of processing the application. I consider the two deficiencies listed to be fatal flaws and in order for further processing to occur the application deficiencies must be remedied.

This Division's interest lies in facilitating the workmanlike development of your project. Please feel free to inform me if you can provide additional information bearing on this matter and contact me at (801) 538-5337 if I may be of additional assistance.

Yours Truly,

Christopher J. Kierst
Reclamation Specialist III

er

cc: John R. Baza
Gil L. Hunt

UIC INJECTION PERMIT ANALYSIS FORM

R649-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	Completed Items, Needed Items, & Comments
1. Injection wells shall be completed. Equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.	1. No comment needed.
2. The application for an injection well shall include a properly completed UIC Form 1 and the following:	2. No comment needed.
2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.	2.1 No comment needed.
2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.	2.2 No comment needed.
2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.	2.3 No comment needed.
2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.	2.4 No Comment needed.
2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.	2.5 The casing diagrams and descriptions submitted with the amending UIC Form 1, Application For Injection Well, are inadequate. Casing diagrams and text descriptions clearly illustrating and identifying the current status and quality of the casing and cement configuration and the proposed casing and cement configuration and quality are necessary to proceed. If you feel that you have already provided this information in the submission, please inform me, in writing, which attachments are designated to satisfy the regulatory informational requirements. This is necessary to procure an injection permit.
2.6. A statement as to the type of fluid to be used for injection. its source and estimated amounts to be injected daily.	2.6 No Comment needed.
2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.	2.7 No Comment needed.
2.8. The proposed average and maximum injection pressures.	2.8 No Comment needed.
2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.	2.9 No Comment needed.
2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.	2.10 The geologic cross sections and structure contour map included with the amending UIC Form 1, Application For Injection Well, are inadequate because they do not include the top of the interval proposed for inclusion within the injection zone (above 8,200' by the logs). Your geologic data should include correlated (identified named formations and relevant correlative zones) strike and dip cross sections with 2 or 3 other wells on either side of the subject well on both cross sections and hung on a relevant geologic marker. It should also include a structure contour map on a relevant geologic marker above the top of the proposed additional injection interval. The cross section logs should include gamma tracks and be composed with porosity or resistivity logs (the emphasis is on correlation, documentation of lithologies, confining layer thickness and geophysical properties and legibility). This is necessary to procure an injection permit.
2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.	2.11 No offset wells.
2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.	2.12 No Comment needed.
2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.	2.13 No Comment needed.

OTHER COMMENTS AND OBSERVATIONS:

Reviewed by: Christopher Kierst Date: 8/8/2001

C

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE AMENDED
APPLICATION OF WATER DISPOSAL,
INC. FOR ADMINISTRATIVE
APPROVAL OF THE HARMSTON 1-
32A1 WELL LOCATED IN SECTION 32,
TOWNSHIP 1 SOUTH, RANGE 1 WEST,
DUCHESNE COUNTY, UTAH, AS A
CLASS II INJECTION WELL

NOTICE OF AGENCY
ACTION

CAUSE NO. 267

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.

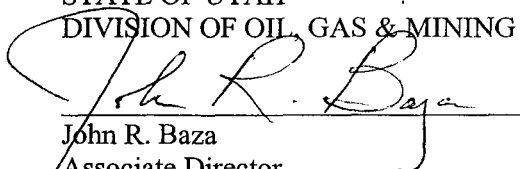
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the amended application of Water Disposal, Inc. for administrative approval of the Harmston 1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

The application has been amended to request approval of additional zones in the Green River Formation to be used for water injection in the depth interval from 8,200 feet to 9,060 feet. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Water Disposal, Inc.

Any person desiring to object to the amended application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 6th day of August, 2001.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING


John R. Baza
Associate Director

WATER DISPOSAL, INC.
HARMSTON 1-32A1
Cause No. 267

Publication Notices were sent to the following:

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SNELL & WILMER LLP
Former Attorneys for Water Disposal, Inc.
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Salt Lake City, UT 84101

via E-Mail and Facsimile (801) 237-2776
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Duchesne County Commission
P.O. Drawer 270
Duchesne, UT 84021-0270

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Lloyd Gardner, Calvin Gardner,
Bert R. Gardner, Beryl Root, Melba Swain
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Roosevelt, UT 84066

C. Wes & Rebecca C. Wilson
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Roosevelt, UT 84066

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Howard L. Harmston, Lee Y. Harmston
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Roosevelt, UT 84066-9706

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Roosevelt, UT 84066

Cory C. & Pamela Duncan
ElRay Duncan
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Roosevelt, UT 84066-9711

Ned B. Mitchell Construction, Inc.
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Altamont, UT 84001-0186

Jay O'Driscoll
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Rowland Payne
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Roosevelt, UT 84066

Roger & Ada Horrocks
HC 66 Box 8E
Roosevelt, UT 84066

Teresa Harmston
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Gwendolyn H. Duncan
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Roosevelt, UT 84066

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Tehachapi, CA 93561-7725

Aaron & Kristie L. Manning
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Roosevelt, UT 84066-9062

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Roosevelt, UT 84066

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Sandy, UT 84070-1510

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Roosevelt, UT 84066

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Roosevelt, UT 84066

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Vernal Field Office
Bureau of Land Management
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Vernal, UT 84078

Roger L. & Kathleen M. Powell
RR 1 Box 1108
Roosevelt, UT 84066

Charmaine Hurley
RR 1 Box 1106
Roosevelt, UT 84066



Earlene Russell, Executive Secretary

County of Duchesne,
STATE OF UTAH

**NOTICE OF
AGENCY
ACTION
CAUSE
NO. 267**

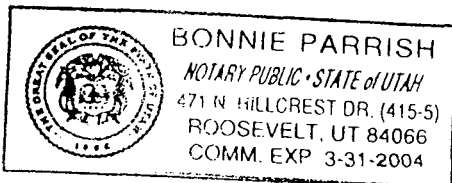
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 14 day of August, 20 01, and that the last publication of such notice was in the issue of such newspaper dated the 14 day of August, 20 01.

Publisher

Subscribed and sworn to before me this
20 day of August, 20 01

Bonnie Parrish

Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE AMENDED APPLICATION OF WATER DISPOSAL, INC. FOR ADMINISTRATIVE APPROVAL OF THE HARMSTON 1-32A1 WELL LOCATED IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 1 WEST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the amended application of Water Disposal, Inc. for administrative approval of the Harmston 1-32A1 well, located in Section 32, Township 1 South, Range 1, West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

The application has been amended to request approval of additional zones in the Green River Formation to be used for water injection in the depth interval from 8,200 feet to 9,060 feet. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Water Disposal, Inc.

Any person desiring to object to the amended application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural

rules. Protestants and/or
interested persons should be pre-
pared to demonstrate at the
hearing how this matter af-
fects their interests.

Dated this 6th day of
August, 2001.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza

Associate Director

Published in the Uintah
Basin Standard August 14,
2001.

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	08/10/01

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL58019NE81
SCHEDULE	
START 08/10/01 END 08/10/01	
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
53 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	122.96
TOTAL COST	
122.96	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF WATER INC. FOR ADMINISTRATIVE APPROVAL OF THE HARMSTON TOWNSHIP 1 SOUTH, RANGE 1 WEST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL

NOTICE OF AGENCY ACTION
CAUSE NO. 267

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the amended application of Water Disposal, Inc. for administrative approval of the Harmston 1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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Any person desiring to object to the amended application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 6th day of August, 2001.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ John R. Baza
Associate Director
58019NE8

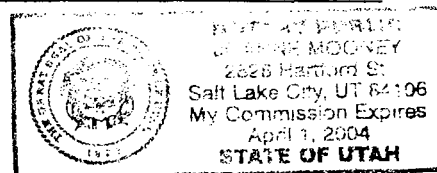
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA FOR DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 08/10/01 END 08/10/01

SIGNATURE

DATE 08/10/01



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

BEFORE THE BOARD OF OIL, GAS AND MINING

FILED

DEPARTMENT OF NATURAL RESOURCES

APR 25 2001

STATE OF UTAH

SECRETARY, BOARD OF
OIL, GAS & MINING

IN THE MATTER OF THE APPLICATION)	FINDINGS OF FACT,
OF WATER DISPOSAL INC. FOR)	CONCLUSIONS OF LAW, AND
ADMINISTRATIVE APPROVAL OF THE)	ORDER GRANTING
HARMSTON #1-32A1 WELL LOCATED)	ADMINISTRATIVE APPROVAL
IN SECTION 32, TOWNSHIP 1 SOUTH,)	OF HARMSTON #1-32A1 WELL
RANGE 1 WEST, U.S.M., DUSCHESNE)	AS A CLASS II INJECTION
COUNTY, UTAH, AS A CLASS II)	WELL
INJECTION WELL)	
)	Docket No. 2001-011
)	Cause No. UIC-267.1

THIS CAUSE came on regularly for hearing before the Utah Board of Oil, Gas and Mining (the "Board") on Wednesday, March 28, 2001, at the hour of 11:00 a.m. in the Board Room, Department of Natural Resources, 1594 West North Temple, Salt Lake City, Utah. The following Board members were present and participated at the hearing: Dave D. Lauriski, Chairman, Elise L. Erler; W. Allan Mashburn; Stephanie Cartwright; J. James Peacock, Robert J. Bayer, and Kent R. Peterson. Attending and participating on behalf of the Division of Oil, Gas and Mining were John Baza, Associate Director, Oil and Gas, Gil Hunt, Technical Services Manager, and Brad Hill, Petroleum Geologist. The Board and the Division were represented by Kurt E. Seel, Esq. and Thomas A. Mitchell, Esq., Assistant Attorneys General, respectively. The applicant, Water Disposal Inc. ("WDI"), was represented by Thomas W. Clawson of Van Cott, Bagley, Cornwall & McCarthy. (Based on his motion for leave to withdraw as counsel, which was presented and granted at the hearing, Phillip Wm. Lear, Esq. of Snell & Wilmer, who originally appeared on behalf of WDI, withdrew his representation of WDI.) Chris Denver, President of

WDI, Mark Eckels, Geological Consultant, and Vince Guinn, Consulting Engineer, testified on behalf of the applicant. Protestant Devon Energy Production Co. ("Devon") was represented by Fredrick M. MacDonald, Esq. of Pruitt, Gushee & Bachtell. Devon withdrew its protest at the hearing based on WDI's agreement entered into the record of this proceeding limiting the injection interval to be used in the proposed injection well. Protestants Tammy Pierce, Carol Allred, and Jeff Allred, all individuals, also attended and participated at the hearing. Also appearing and presenting a statement to the Board was Robert G. Pruitt, Jr., Esq., of Pruitt, Gushee & Bachtell, on behalf of Coastal Oil & Gas, USA, LP ("Coastal"). Although the Division received numerous written responses to WDI's application, no other statements were made at the hearing in opposition to WDI's application and no other parties appeared or participated at the hearing.

NOW, THEREFORE, the Board, having considered the testimony presented and the evidence received into evidence at the hearing, being fully advised, and for good cause appearing, hereby makes the following Findings of Fact, Conclusions of Law, and Order:

FINDINGS OF FACT

1. On December 1, 2000, WDI submitted an application, in accordance with the applicable rules and regulations of the Board, for administrative approval of the Harmston #1-32A1 Well located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 32, Township 1 South, Range 1 West, U.S.M., Duchesne County, Utah (the "Harmston Well"), as a Class II underground injection well for the disposal of produced salt water.

2. WDI gave notice of its application pursuant to the requirements of Utah Administrative Code ("U.A.C.") Rule 649-5-3, and provided a copy of its application to all operators, owners, and surface owners within a one-half mile radius of the Harmston Well as required by U.A.C. Rule R649-5-2. In addition, on December 12, 2000, the Division published

notice of WDI's application in the Uintah Basin Standard and also in the Salt Lake Tribune and Deseret News on December 13, 2000.

3. Following publication of the notice of WDI's application, the Division received twenty letters of objection to the application from various parties who live in the area near the Harmston Well and one letter of support from the Duchesne County Commission.

4. On February 23, 2001, pursuant to U.A.C. Rule R649-10-1-2, the Division converted this matter from an informal adjudicative proceeding to a formal adjudicative proceeding and set this matter for hearing at the Board's regularly scheduled hearing on March 28, 2001.

5. Notices of the time, place, and purpose of the Board's March 28, 2001 hearing were mailed to all interested parties and all owners or operators and surface owners within one-half mile of the Harmston Well by first-class mail, postage prepaid, and were duly published in the Salt Lake Tribune, Deseret News, and the Uintah Basin Standard pursuant to the requirements of U.A.C. Rules R641-104-100 and R641-106-100.

6. The Board has jurisdiction over this matter pursuant to Utah Code Ann. § 40-6-5 and U.A.C. Rules R649-10-1-2 and R649-5-3.

7. WDI is a Utah corporation in good standing, having its principal place of business in Roosevelt, Utah, and is qualified to, and is doing business in Utah.

8. The Harmston Well is a former productive oil and gas well that has been plugged and abandoned and is no longer producing oil or gas.

9. The formation to be approved for injection operations is the lower Green River Formation. The stratigraphic unit of the Green River Formation to be injected into is approximately 1,360 feet thick in the vicinity of the Harmston Well and is a heterogeneous mix of lenticular shales and sandstones, with the shales acting as a barrier to porosity and permeability.

The lower Green River Formation is an oil and gas bearing zone throughout the Uintah Basin and is not an underground source of drinking water (“USDW”).

10. The proposed injection interval will be from a depth of 9,060 feet to 9,205 feet, in keeping with WDI’s agreement made at the hearing in response to Devon’s objection. The proposed injection interval was included in WDI’s application. The injection interval is overlain by a thirty-foot thick section of nonporous rock at a depth of 8,100 feet and is bound below by a 450-foot thick section of redbeds, and is generally separated from freshwater resources uphole by an approximately 8,000-foot section of mostly siltstones, mudstones, shales, and similar impermeable and less porous rocks.

11. WDI owns fee simple title to the lands upon which the Harmston Well is located (the “Subject Lands”).

12. The minerals in the Subject Lands are subject to a fee oil and gas lease which is held by Coastal. Coastal acquired those interests after WDI filed its application with the Division. Notice of WDI’s application and the Board’s March 28, 2001 hearing were mailed to Coastal’s lessor.

13. No other oil and gas wells are located within one-half mile of the Harmston Well.

14. The water to be injected will be produced salt water from the Wasatch and Green River Formations from wells located in the Uintah Basin. There is a need for produced water disposal facilities in the Uintah Basin. WDI’s preliminary water analyses indicate that the water to be injected is compatible with the water in the formation within the proposed injection interval.

15. WDI seeks authority to inject up to 5,000 barrels of produced water per day at an average pressure of 1,000 p.s.i., with a maximum pressure not to exceed 4,300 p.s.i. At the hearing, WDI presented evidence and data which indicates that the Harmston Well and the Green River Formation in the proposed injection interval will accept and support such injection volumes and pressures. Following conversion of the Harmston Well into an injection well, further testing of the well and formation, as required and administered by the Division, will be conducted to demonstrate to the Division's satisfaction the mechanical integrity of the wellbore and the competency of the formation in the proposed injection interval to confine the injected fluids.

16. The nearest fresh water strata or USDW to the proposed injection interval is located approximately 8,000 feet uphole in the Duchesne River Formation. WDI presented evidence and data at the hearing showing that there will be no communication between the proposed injection interval and the drinking water resources in the Duchesne River Formation either through the wellbore or through fractures in the intervening stratigraphic intervals or through nearby geologic structures. Following the conversion of the Harmston Well to an injection well, further testing as required and administered by the Division will be conducted to demonstrate to the Division's satisfaction that the injected fluids will not migrate to any improper intervals.

17. The individual protestants expressed concerns regarding the produced water disposal pits adjacent to the Harmston Well. Also, the protestants stated concerns regarding the possibility that the proposed injection operations in the Harmston Well might contaminate fresh drinking water sources. WDI's application is not dependent on the surface disposal pits, which are separately administered and regulated by the Division, and the Board need not make any finding of fact regarding the disposal pits in order to approve WDI's application. With respect to the protestants' concerns regarding drinking water contamination, prior to obtaining approval to

commence injection operations, WDI will need to demonstrate to the Division's satisfaction that the proposed injection operations will not result in the contamination of, or damage, to any fresh drinking water sources. Thus, the protestants' concerns will be addressed directly as a matter of the Division's regular administrative oversight.

18. WDI's application, as modified at the hearing and subject to the conditions provided herein, was approved by the Board by a vote of six in favor of approval and one opposed.

CONCLUSIONS OF LAW

19. Due and regular notice of the time, place, and purposes of the March 28, 2001 hearing was given to all interested parties and all owners, operators, and surface owners within a one-half mile radius of the Harmston Well in the form and manner and within the time required by law and the rules and regulations of the Board. Due and regular notice of the filing of WDI's application was given to all interested parties and all owners, operators, and surface owners within a one-half mile radius of the Harmston Well in the form and manner and within the time required by law and the rules and regulations of the Board.

20. The Board has jurisdiction of the parties and subject matter of this matter pursuant to Sections 40-6-5 of the Utah Code Ann. and U.A.C. Rules 649-10-1-2 and R649-5-3. The Board has the power and authority to make and promulgate the order herein set forth.

21. WDI's application meets all applicable statutory and administrative requirements for the approval of the Harmston Well as a Class II injection well.

22. Approval of WDI's application does not constitute approval regarding any particular issue, matter, or concern regarding any surface disposal pits. No party is precluded from bringing any concern regarding such facilities to the Division's or Board's attention in accordance with the Board's rules and regulations.

ORDER

IT IS THEREFORE ORDERED that:

1. The Application of Water Disposal Inc. for Administrative Approval of the Harmston #1-32A1 Well as a Class II Underground Injection Well is approved subject to the following conditions:

- (a) Injection operations shall be limited to the zone in the Harmston Well between the depths of 9,060 feet and 9,205 feet, pursuant to WDI's agreement stated in the record at the hearing in response to Devon's objection.
- (b) Prior to beginning conversion operations of the Harmston Well to an injection well, WDI shall:
 - (i) File a complete Application for Permit to Drill (APD) as required under the Board's General Rules and Regulations; and
 - (ii) Post a bond for plugging and site restoration in an amount as required by the Board's General Rules and Regulations.
- (c) Prior to commencing injection operations, WDI shall:
 - (i) Conduct a mechanical integrity test of the casing and wellbore in the Harmston Well in accordance with the Division's normal procedures;
 - (ii) Provide to the Division a cement bond log of the wellbore in the vicinity of the proposed injection interval;
 - (iii) Provide to the Division water analyses of the formation water in the proposed injection interval and the produced water to be injected which will establish the compatibility of the injection water with the formation water; and

(iv) Conduct a step-rate test to determine the fracture parting pressure of the Green River Formation through the proposed injection interval.

All of these conditions shall be conducted in cooperation with the Division and to the Division's satisfaction as is normally the case in the Division's administrative approval of similar produced water injection well applications.

2. Pursuant to Utah Administrative Code R641 and Utah Code Ann. § 63-46b-6 to -10 (1953, as amended), the Board has considered and decided this matter as a formal adjudication.

3. This Findings of Fact, Conclusion of Law, and Order ("Order") is based exclusively on evidence of record in the adjudicative proceeding or on facts officially noted, and constitutes the signed written order stating the Board's decision and the reasons for the decision, all as required by the Utah Administrative Procedures Act, Utah Code Ann. § 63-46b-10 and Utah Administrative Code R641-109.

4. Notice re Right to Seek Judicial Review by the Utah Supreme Court or to Request Board Reconsideration: As required by Utah Code Ann. § 63-46b-10(e) to -10(g) (1953, as amended), the Board hereby notifies all parties in interest that they have the right to seek judicial review of this final Board Order in this formal adjudication by filing a timely appeal with the Utah Supreme Court within 30 days after the date that this Order is issued. Utah Code Ann. § 63-46b-14(3)(a) and -16 (1953, as amended). As an alternative to seeking immediate judicial review, and not as a prerequisite to seeking judicial review, the Board also hereby notifies parties that they may elect to request that the Board reconsider this Order, which constitutes a final agency action of the Board. Utah Code Ann. § 63-46b-13, entitled, "Agency review - Reconsideration," states:

(1)(a) Within 20 days after the date that an order is issued for which review by the agency or by a superior agency under Section 63-46b-12 is unavailable, and if the order would otherwise constitute final agency action, any party may file a written request for reconsideration with the agency, stating the specific grounds upon which relief is requested.

(b) Unless otherwise provided by statute, the filing of the request is not a prerequisite for seeking judicial review of the order.

(2) The request for reconsideration shall be filed with the agency and one copy shall be sent by mail to each party by the person making the request.

(3)(a) The agency head, or a person designated for that purpose, shall issue a written order granting the request or denying the request.

(b) If the agency head or the person designated for that purpose does not issue an order within 20 days after the filing of the request, the request for reconsideration shall be considered to be denied.

Id. The Board also hereby notifies the parties that Utah Administrative Code R641-110-100, which is part of a group of Board rules entitled, "Rehearing and Modification of Existing Orders," states:

Any person affected by a final order or decision of the Board may file a petition for rehearing. Unless otherwise provided, a petition for rehearing must be filed no later than the 10th day of the month following the date of signing of the final order or decision for which the rehearing is sought. A copy of such petition will be served on each other party to the proceeding no later than the 15th day of that month.

Id. See Utah Administrative Code R641-110-200 for the required contents of a petition for rehearing. If there is any conflict between the deadline in Utah Code Ann § 63-46b-13 (1953, as amended) and the deadline in Utah Administrative Code R641-110-100 for moving to rehear this matter, the Board hereby rules that the later of the two deadlines shall be available to any party moving to rehear this matter. If the Board later denies a timely petition for rehearing, the party may still seek judicial review of the Order by perfecting a timely appeal with the Utah Supreme Court within 30 days thereafter.

5. The Board retains continuing jurisdiction over all the parties and over the subject matter of this Cause, except to the extent said jurisdiction may be divested by the filing of a timely appeal to seek judicial review of this Order by the Utah Supreme Court.

6. For all purposes, the Chairman's signature on a faxed copy of this Order shall be deemed the equivalent of a signed original.

ISSUED this 25th day of April , 2001.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING

By 
Dave D. Lauriski, Chairman

CERTIFICATE OF SERVICE

I hereby certify that I caused a true and correct copy of the foregoing "Findings of Fact, Conclusions of Law, and Order Granting Administrative Approval of Harmston #1-32A1 Well as a Class II Injection Well" for Docket No. 2001-011, Cause No. UIC-267.1 to be mailed by first-class mail, postage prepaid, this 27 day of April, 2001, to the following:

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Charmaine Hurley
RR 1 Box 1106
Roosevelt, UT 84066



County of Duchesne,
STATE OF UTAH

**NOTICE OF
AGENCY
ACTION
CAUSE
NO. 267**

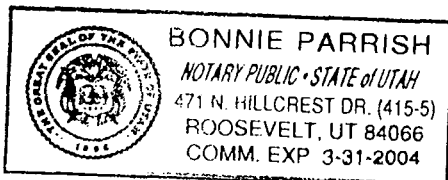
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 14 day of August, 20 01, and that the last publication of such notice was in the issue of such newspaper dated the 14 day of August, 20 01.

Craig L. Ashby
Publisher

Subscribed and sworn to before me this

20 day of August, 20 01
Bonnie Parrish

Notary Public



Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE AMENDED APPLICATION OF WATER DISPOSAL, INC. FOR ADMINISTRATIVE APPROVAL OF THE HARMSTON 1-32A1 WELL LOCATED IN SECTION 32, TOWNSHIP 1 SOUTH, RANGE 1 WEST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the amended application of Water Disposal, Inc. for administrative approval of the Harmston 1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

The application has been amended to request approval of additional zones in the Green River Formation to be used for water injection in the depth interval from 8,200 feet to 9,060 feet. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Water Disposal, Inc.

Any person desiring to object to the amended application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or

rules. Protestants and/or
interveners should be pre-
pared to demonstrate at the
hearing how this matter af-
fects their interests.

Dated this 6th day of
August, 2001.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza

Associate Director

Published in the Uintah
Basin Standard August 14,
2001.

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

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PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	08/10/01

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL58019NE81
SCHEDULE	
START 08/10/01 END 08/10/01	
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
53 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	122.96
TOTAL COST	
122.96	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE
APPLICATION OF WATER INC. FOR ADMINISTRATIVE
APPROVAL OF THE HARMSTON TOWNSHIP 1 SOUTH RANGE
1 WEST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION
WELL

NOTICE OF AGENCY
ACTION
CAUSE NO. 267

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the amended application of Water Disposal, Inc. for administrative approval of the Harmston 1-32A1 well, located in Section 32, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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Dated this 6th day of August, 2001.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ John R. Baza
Associate Director
58019NE8

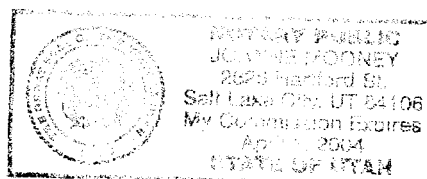
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY
ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 08/10/01 END 08/10/01

SIGNATURE [Signature]

DATE 08/10/01



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

Water Analysis, Scaling Tendency, and Compatability Evaluation

Company: Water Disposal Inc.

Field / Lease: Roosevelt

Service Engineer: Ed Schwarz

Chemical Component	Well 1-32A1	90% A 10% B	80% A 20% B	70% A 30% B	60% A 40% B	50% A 50% B	40% A 60% B	30% A 70% B	20% A 80% B	10% A 90% B	No. 1 PIT
Chloride (Cl) mg/l	13,940	13,432	12,924	12,416	11,908	11,400	10,892	10,384	9,876	9,368	8,860
Sulfate (SO ₄) mg/l	1,353	1,246	1,138	1,031	924	817	709	602	495	387	280
Carbonate (CO ₃) mg/l	305	340	376	411	446	482	517	552	587	623	658
Bicarbonate (HCO ₃) mg/l	1,680	2,040	2,400	2,760	3,120	3,480	3,840	4,200	4,560	4,920	5,280
Calcium (Ca) mg/l	96	106	117	127	138	148	158	169	179	190	200
Magnesium (Mg) mg/l	122	120	118	116	114	112	110	108	106	104	102
Iron (Fe) mg/l	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0
Barium (Ba) mg/l	0	0	0	0	0	0	0	0	0	0	0
Strontium (Sr) mg/l	0	0	0	0	0	0	0	0	0	0	0
Sodium (Na) mg/l	10,213	9,987	9,761	9,534	9,308	9,082	8,856	8,629	8,403	8,177	7,951
Ionic Strength	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39
Dissolved Solids (TDS)	27,715	27,277	26,840	26,402	25,965	25,527	25,090	24,652	24,215	23,777	23,340
Specific Gravity @ 60F	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
Temperature (F)	85	85	85	85	85	85	85	85	85	85	85
Is (TOMSON-ODDO)	2.65	2.86	3.05	3.21	3.35	3.49	3.61	3.72	3.83	3.92	4.02
Pressure (psia)	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
pH Calculated (Tomson)	9.66	9.74	9.81	9.87	9.92	9.97	10.01	10.05	10.08	10.12	10.15
pH Actual	8.79	8.81	8.83	8.86	8.88	8.90	8.92	8.94	8.97	8.99	9.01
% CO ₂ (Mole %)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Scaling Tendency (Pounds per Thousand BBLS of Scale Which Should Form)

CaCO ₃ (Tomson-Oddo)	83.6	92.8	101.9	111.0	120.1	129.2	138.3	147.4	156.5	165.5	174.6
BaSO ₄ (Tomson)	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CaSO ₄ (Tomson)	-1723.0	-1728.1	-1733.7	-1739.6	-1746.0	-1752.8	-1760.1	-1767.8	-1775.8	-1784.3	-1793.1
SrSO ₄ (Tomson)	-30.0	-31.9	-34.1	-36.7	-39.9	-43.7	-48.3	-54.2	-61.7	-71.6	-84.6



2060 SOUTH 1500 EAST
VERNAL, UTAH 84078

Telephone (435) 789-4327

Water Analysis Report

Customer : Water Disposal Inc.

Address :

City : Roosevelt

State : UT **Postal Code :**

Attention : Chris Denver

cc1 :

cc2 :

cc3 :

Comments :

Date Sampled : 25-Sep-01

Date Reported : 26-Sep-01

Date Received : 26-Sep-01

Field : Roosevelt

Lease : Roosevelt

Location : Harmston 1-32 A1

Sample Point : wellhead

Salesman : Ed Schwarz

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 96 mg/l
Magnesium : 122 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 6.0 mg/l
Sodium : 9980 mg/l

ANIONS

Chloride : 13,940 mg/l
Carbonate : 305 mg/l
Bicarbonate : 1,680 mg/l
Sulfate : 1,353 mg/l

pH (field) : 8.79
Temperature : 85 degrees F
Ionic Strength : 0.45
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.0250 grams/ml
Total Dissolved Solids : 27,482 ppm
CO2 in Water : 0 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 0.0 mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : #Error
Calcite (CaCO3) SI @ 100 F : #Error
Calcite (CaCO3) SI @ 120 F : #Error
Calcite (CaCO3) SI @ 140 F : #Error
Calcite (CaCO3) SI @ 160 F : #Error
Gypsum (CaSO4) SI : -1.60
Barite (BaSO4) SI : N/A
Celestite (SrSO4) SI : N/A

Calcite PTB : N/A
Calcite PTB @ 100 F : #Error
Calcite PTB @ 120 F : #Error
Calcite PTB @ 140 F : #Error
Calcite PTB @ 160 F : #Error
Gypsum PTB : N/A
Barite PTB : N/A
Celestite PTB : N/A



2060 SOUTH 1500 EAST
VERNAL, UTAH 84078

Telephone (435) 789-4327

Water Analysis Report

Customer : Water Disposal Inc.

Date Sampled : 02-Oct-01

Date Reported : 03-Oct-01

Date Received : 03-Oct-01

Address :

City : Roosevelt

State : UT **Postal Code :**

Attention : Chris Denver

cc1 :

cc2 :

cc3 :

Comments :

Field : Roosevelt

Lease : Roosevelt

Location : NO. #1 Pit

Sample Point : pit

Salesman : Ed Schwarz

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 200 mg/l
Magnesium : 102 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 9.0 mg/l
Sodium : 7447 mg/l

ANIONS

Chloride : 8,860 mg/l
Carbonate : 658 mg/l
Bicarbonate : 5,280 mg/l
Sulfate : 280 mg/l

pH (field) : 9.01
Temperature : 85 degrees F
Ionic Strength : 0.34
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.0250 grams/ml
Total Dissolved Solids : 22,836 ppm
CO2 in Water : 1 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 17.0 mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI :	3.11	Calcite PTB :	174.7
Calcite (CaCO3) SI @ 100 F :	3.27	Calcite PTB @ 100 F :	174.8
Calcite (CaCO3) SI @ 120 F :	3.48	Calcite PTB @ 120 F :	174.8
Calcite (CaCO3) SI @ 140 F :	3.70	Calcite PTB @ 140 F :	174.8
Calcite (CaCO3) SI @ 160 F :	3.92	Calcite PTB @ 160 F :	174.9
Gypsum (CaSO4) SI :	-1.88	Gypsum PTB :	N/A
Barite (BaSO4) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO4) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services

PHONE NO. : 14357229084

Hornston
WBI Sole

PRODUCTION WELL IDENTIFICATION

BAKER OIL TOOLS LINER SYSTEMS

SALE LOCATION
**BAKER OIL TOX
CASPER, WYOM
307-266-4881**

OPERATOR: **QUINEX ENERGY CORP.**

COMPANY REP: **KELLY FARNSWORTH**

PHONE: **435-722-9916**

FIELD: **UTAH**

WELL NO: **1-32-A1**

LOCATION: **HARMSTON**

ADDRESS: **CASPER, WYOMING**

PHONE: **307-265-4885**

DATE: **27-Sep-01**

PREPARED BY: **RICK BELL**

DATE SUBMITTED: **27-Sep-01**

JOB REPORT #

Page: 1

SHAFTING

COATING

DESCRIPTIONS

	SIZE	WEIGHT	GRADE	THREAD
CASING	7.000	28.00		
LINER	6.000	18.00	N-80	FL-4S
TUBING	2-7/8	6.50		
WRKSTR.				

No.	DEPTH	LENGTH	OD	ID	DESCRIPTION
		21			KB
1	5661.58	13.02	5.937	4.437	BAKER "HYFLO III" LINER PACKER W/ 10' TYPE III "RH" E SLEEVE 10.50" OD = 6.760" ID = 5.250" P-10
2	5674.6	5.4	6.000	4.437	BAKER "HYFLO II" LINER HANGER 5" 18# 8RD PIN-PIN P-110 MATERIAL
3	5680	0.93	5.662	4.187	X-OVER 5" 8RD BOX -X- 5" 18# FL4S PIN P-110
4	5680.93	2823.89	5.000	4.276	170 JOINTS 5" 18# N-80 FL4S CASING
5	8504.92	0.93	5.000	4.187	BAKER "TYPE I" LANDING COLLAR 5" 18# FL4S BOX - PIN P-110
6	8505.85	34.82	5.000	4.276	1 JOINT 5" 18# N-80 FL4S BOX UP -X- 8RD PIN DOWN
7	8540.67	1.33	5.630	4.187	WEATHERFORD FLOAT COLLAR 5" 18# 8RD BOX
	8542				BOTTOM 5" LINER
	8544				CAST IRON BRIDGE PLUG / WIRELINE SET
					LINER SET 2.00 OFF TOP OF BRIDGE PLUG
					DOWELL CEMENTED - 46 BBLs
					CEMENT ABOVE LINER TOP - TUBING FLOWED BACK AFTER SEAL REMOVED FROM LINER TOP



2080 SOUTH 1500 EAST
VERNAL, UTAH 84078

Water Analysis Report

Telephone (435) 789-4327

Customer : Water Disposal Inc.

Date Sampled : 25-Sep-01

Date Reported : 26-Sep-01

Date Received : 26-Sep-01

Address :

City : Roosevelt

State : UT **Postal Code :**

Field : Roosevelt

Lease : Roosevelt

Location : Harmston 1-32 A1

Sample Point : wellhead

Attention : Chris Denver

cc1 :

cc2 :

cc3 :

Salesman : Ed Schwarz

Comments :

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 98 mg/l
Magnesium : 122 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
Iron : 6.0 mg/l
Sodium : 9980 mg/l

ANIONS

Chloride : 13,940 mg/l
Carbonate : 305 mg/l
Bicarbonate : 1,680 mg/l
Sulfate : 1,353 mg/l

pH (field) : 8.79
Temperature : 85 degrees F
Ionic Strength : 0.45
Resistivity : ohm/meters
Ammonia : ppm

Specific Gravity : 1.0250 grams/ml
Total Dissolved Solids : 27,482 ppm
CO2 In Water : 0 mg/l
CO2 In Gas : 0.03 mole %
H2S In Water : 0.0 mg/l
Dissolved Oxygen : ppm

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO3) SI : #Error
Calcite (CaCO3) SI @ 100 F : #Error
Calcite (CaCO3) SI @ 120 F : #Error
Calcite (CaCO3) SI @ 140 F : #Error
Calcite (CaCO3) SI @ 160 F : #Error
Gypsum (CaSO4) SI : -1.60
Barite (BaSO4) SI : N/A
Celestite (SrSO4) SI : N/A

Calcite PTB : N/A
Calcite PTB @ 100 F : #Error
Calcite PTB @ 120 F : #Error
Calcite PTB @ 140 F : #Error
Calcite PTB @ 160 F : #Error
Gypsum PTB : N/A
Barite PTB : N/A
Celestite PTB : N/A

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name	<u>Harmston 1-32A1</u>	API Number	<u>43-013-38224</u>
Qtr/Qtr	<u>32</u>	Township	<u>15</u>
Section	<u>16</u>	Range	<u>16</u>
Company Name			
Lease	State <u> </u>	Fee <u> </u>	Federal <u> </u> Indian <u> </u>
Inspector	<u>Dennis L. Dyer</u>	Date	<u>10/03/01</u>

Initial Conditions

Tubing - Rate Pressure 400 psi

Casing/Tubing Annulus - Pressure 1100 psi

Conditions During Test

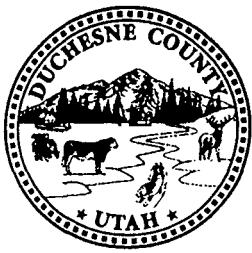
Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1100</u>	<u>400</u>
5	<u>1100</u>	<u>400</u>
10	<u>1100</u>	<u>400</u>
15	<u>1100</u>	<u>400</u>
20	<u>1100</u>	<u>400</u>
25	<u>1100</u>	<u>400</u>
30	<u>1100</u>	<u>400</u>

Results Pass Pass/Fail

Conditions After Test

Tubing Pressure 400 psiCasing/Tubing Annulus Pressure 1100 psiCOMMENTS Original annulus, tested @ 10:10AM.

Dennis L. Dyer
Operator Representative



BGH

*Duchesne County Planning, Zoning
& Community Development
734 North Center Street
P.O. Box 317
Duchesne, Utah 84021
(435) 738-1152
Fax (435) 738-5522*

October 15, 2001

State of Utah, Division of Oil, Gas & Mining
Attn: Lowell Braxton
PO Box 145801
Salt Lake City, Utah 84114-5801

Dear Mr Braxton:


The purpose of this letter is to make your office aware of the Duchesne County Planning Commission's decision and further their recommendations towards Water Disposal, Inc., application for a produced water disposal facility and an injection well.

The Planning Commission met on October 10th, 2001 and after hearing testimony from all concerned and going over the findings of fact, as established in Duchesne County Code, denied Water Disposal, Inc. application to continue their produced water disposal facility. The Planning Commission further recommends that both a notice of closure be issued by your office and reclamation commence and proceed as outlined in both Oil, Gas & Mining Regulations and Duchesne County Code.

Further, the Planning Commission recommends, regarding the administratively approved class II injection well (Harmston 1-32A1 Well), that the division of oil, gas & mining stipulate that only covered tanks be permitted to store fluids at this (Water Disposal, Inc.) facility and that no open pits or ponds be authorized.

We appreciate a continued cooperative effort in this matter.

Sincerely,

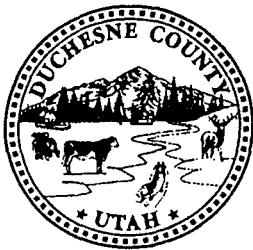

Clayton B Chidester
Director

cc: Water Disposal, Inc.

RECEIVED

OCT 17 2001

DIVISION OF
OIL, GAS AND MINING



*Duchesne County Planning, Zoning
& Community Development
734 North Center Street
P.O. Box 317
Duchesne, Utah 84021
(435) 738-1152
Fax (435) 738-5522*

October 15, 2001

Water Disposal, Inc.
P. O. Box 85
Roosevelt, Utah 84066

COPY


Dear Mr. Chris Denver:

The purpose of this letter is to formally make you aware of the Planning Commission's decision denying your application for the produced water disposal facility on October 10th, 2001.

Reconditioning needs to commence in accordance with the Division of Oil, Gas & Mining Regulations and Duchesne County Code. Failure to commence the reconditioning process within sixty (60) days and/or complete the reclamation, to the extent that no depreciation of the surrounding properties from permitted use(s), within twelve (12) months, will constitute a property nuisances.

Regarding your rights and the appeal process, Duchesne County Code 17.52.070 states: "The decision of the planning commission shall be final. The final decision may be appealed to the county commission within thirty (30) days from the date of the planning commission decision. The county commission may uphold or reverse the decision of the planning commission and may impose any additional conditions that it may deem necessary."

Sincerely,


Clayton B Chidester
Director

cc: Lowell Braxton, Director
Division of Oil, Gas & Mining

RECEIVED

OCT 16 2001

DIVISION OF
OIL, GAS AND MINING

El Hunt 1/20/01 John write letter recommending procedure on 22.
injecting or testing? We haven't pulled permit on 22.
Where is his packer set? Too high. Want to inject
No permit sent in yet. Some (testing) pup to
step rate test

Paul Wells, on work done
subsequent No step rate test results
in yet.

2 new 400 bbl tanks on location.
Send in sundry work done until in.

~~_____~~
~~_____~~
~~_____~~
~~_____~~

Mr. Denver suspending his
in violation of any of our rules even
speak with one of our attorneys, but
disposal pit approval as it currently
at a hearing on December 17th, and
a course of action.

subject well and their present temporary ability to dump to disposal pits and inject into the well. John says
water into their disposal pits, thereby

- He has 2 new 400 bbl tanks on location for storage.
- At present, he can store in pits, tanks and can actually test inject or even inject into presently permitted interval below

ate letter be sent to WDI
cifying the items which will be
The items we discussed included
a report of the results of the step
on.

Denver has no permit to inject into incremental zone.

- Temporary permission to test inject preparatory to the step rate test.
- Paul Wells was supposed to send in a subsequent sundry for work done - haven't seen it yet. No permit should be issued until this arrives.
- Temporary permission to keep packer where it is currently but final permit is ~~_____~~
- We haven't pulled his permit to dump into pits yet pending his appeal to county.
- Letter from John to Chris D. suggesting cessation/pit use?

Will Fax info.
Will Fax info.

injecting prior to step rate test @
61/day 1250 psi
500 psi

bbl tanks and 2-300 bbl.
ion, actually.

What are they waiting for

Did El' give him a verbal?

Are you testing or injecting

Rob Krueger

What is procedure
on step rate test
Particulars of
- changed
rate

From: John Baza
To: Hunt, Gil; Kierst, Chris
Date: 11/20/01 2:12PM
Subject: WDI disposal pit

After some additional consideration, I am reluctant to send a letter to Mr. Denver suspending his operations at the disposal pit. I am concerned that Mr. Denver is not in violation of any of our rules even though the county has denied his conditional use permit. I'll need to speak with one of our attorneys, but unless they convince me otherwise, I'm going to leave Mr. Denver's disposal pit approval as it currently stands. Duchesne County is going to consider Mr. Denver's appeal at a hearing on December 17th, and maybe after we see the outcome of that hearing, we can determine a course of action.

>>> Chris Kierst 11/20/01 11:56AM >>>

I talked with John Baza about the current circumstances of the permit for the incremental zone in the subject well and their present temporary ability to dump to disposal pits and inject into the well. John says he will send WDI a letter temporarily suspending their ability to dump water into their disposal pits, thereby supporting the county's action of 10/10/01. He requests that a separate letter be sent to WDI re-emphasizing the limitations of their temporary permission and specifying the items which will be stipulated for performance in the final permit for the incremental zone. The items we discussed included submitting a subsequent sundry on recent work done, a tracer survey, a report of the results of the step rate test and scheduling the moving of the packer to its correct position.

CC: Hill, Brad; Jarvis, Dan

*Chris Denver 11/20/01
Where is top of perms? Will Fax info.
Where is packer? Will Fax info.
testing or injecting? Injecting prior to step rate test @*

*1,400 bbl/day 1250 psi
max 1,500 psi*

He has 2 - 500 bbl tanks and 2 - 300 bbl tanks on location, actually.

*What is status. What are they waiting for
Did Gil give him a verbal?*

Are you testing or injecting

Rob Kierst

*(435) 722-5829
What is procedure
on step rate test
particular for
fracturing
- changed
later*

FACSIMILE TRANSMISSION

Sharp FO-700 (801) 722-5829
Verification (801) 722-2922

Date: 10-9-01 Time: 8:30
Number of pages being transmitted: 5 (Including cover page)
Fax phone number being transmitted: 801-359-3940
Please deliver all transmitted pages to: Gil Hunt
City, State, Zip Code:
These pages are from: Chris Denver

COMMENTS: Gil: Enclosed will be the water analysis reports for the Harmston disposal well and the water from the disposal ponds. Then Champion did an Water Analysis Scaling Compartiable. I will send you an original in the mail. I would like to begin pumping water today so that when I go to Planning and zoning tomorrow that I can tell them that I am pumping. Gil, Paul Wells is stoping by your office to talk to you about the packer.
Please e-mail me approval to begin pumping today if you can Gil.
e-mail address is cdenver@uhtanet.com I am meeting with the Tribe and Superintendent most of the afternoon. But will check my e-mail.

IF YOU DID NOT RECEIVE ALL PAGES, PLEASE CALL (801) 722-2922



2080 SOUTH 1500 EAST
VERNAL, UTAH 84078

Water Analysis Report

Telephone (435) 789-4327

Customer : Water Disposal Inc.

Date Sampled : 02-Oct-01

Date Reported : 03-Oct-01

Date Received : 03-Oct-01

Address :

City : Roosevelt

State : UT Postal Code :

Field : Roosevelt

Loose : Roosevelt

Attention : Chris Denver

Location : NO. #1 Pit

cc1 :

Sample Point : pit

cc2 :

cc3 :

Salesman : Ed Schwarz

Comments :

Analyst : Karen Hawkins Allen

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Magnesium : 102 mg/l
Barium : 0 mg/l
Strontium : 0 mg/l
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Sodium : 7447 mg/l

ANIONS

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Ammonia : ppm

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Calcite (CaCO3) SI @ 120 F : 3.48
Calcite (CaCO3) SI @ 140 F : 3.70
Calcite (CaCO3) SI @ 160 F : 3.92
Gypsum (CaSO4) SI : -1.88
Barite (BaSO4) SI : N/A
Celestite (SrSO4) SI : N/A

Calcite PTB : 174.7
Calcite PTB @ 100 F : 174.6
Calcite PTB @ 120 F : 174.6
Calcite PTB @ 140 F : 174.6
Calcite PTB @ 160 F : 174.9
Gypsum PTB : N/A
Barite PTB : N/A
Celestite PTB : N/A

Confidential
Champlon Technologies, Inc.
Vernal District Technical Services

Page 1 of 1

Water Analysis, Scaling Tendency, and Compatibility Evaluation

Company: Water Disposal Inc.
Field / Lease: Roosevelt
Service Engineer: Ed Schwarz

Chemical Component	Well 1-32A1	90% A 10% B	80% A 20% B	70% A 30% B	60% A 40% B	50% A 50% B	40% A 60% B	30% A 70% B	20% A 80% B	10% A 90% B	No. 1 PIT
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Bicarbonate (HCO ₃) mg/l	1,680	2,040	2,400	2,760	3,120	3,480	3,840	4,200	4,560	4,920	5,280
Calcium (Ca) mg/l	96	106	117	127	138	148	158	169	179	190	200
Magnesium (Mg) mg/l	122	120	118	116	114	112	110	108	106	104	102
Iron (Fe) mg/l	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0
Barium (Ba) mg/l	0	0	0	0	0	0	0	0	0	0	0
Strontium (Sr) mg/l	0	0	0	0	0	0	0	0	0	0	0
Sodium (Na) mg/l	10,213	9,987	9,761	9,534	9,308	9,082	8,856	8,629	8,403	8,177	7,951
Ionic Strength	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39
Dissolved Solids (TDS)	27,715	27,277	26,840	26,402	25,965	25,527	25,090	24,652	24,215	23,777	23,340
Specific Gravity @ 60F	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025	1.025
Temperature (F)	85	85	85	85	85	85	85	85	85	85	85
ds (TOMSON-ODDO)	2.85	2.86	3.05	3.21	3.35	3.49	3.61	3.72	3.83	3.92	4.02
Pressure (psig)	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
pH Calculated (Tomson)	9.66	9.74	9.81	9.87	9.92	9.97	10.01	10.05	10.08	10.12	10.15
pH Actual	8.79	8.81	8.83	8.86	8.88	8.90	8.92	8.94	8.97	8.99	9.01
% CO ₂ (Mole %)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Scaling Tendency (Pounds per Thousand BBLs of Scale Which Should Form)

CaCO ₃ (Tomson-ODDO)	83.6	92.6	101.9	111.0	120.1	129.2	138.3	147.4	156.5	165.5	174.6
BaSO ₄ (Tomson)	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CaSO ₄ (Tomson)	-1723.0	-1728.1	-1733.7	-1739.6	-1746.0	-1752.8	-1760.1	-1767.8	-1775.8	-1784.3	-1793.1
SrSO ₄ (Tomson)	-30.0	-31.9	-34.1	-36.7	-39.8	-43.7	-48.3	-54.2	-61.7	-71.8	-84.6

OCT- 9-01 TUE 8:47 .UTE DISTRIBUTION CORP. P.05
OCT-09-01 00:35 AM CHAMPION TECHNOLOGIES 435 789 4315 P.05

ପ. ୭୫

Compatibility Evaluation (Founds per Thousand BBLs of Slake Due to Mixing, C-compatible)

TRANSACTION REPORT

P. 01

NOV-20-2001 TUE 03:50 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
NOV-20	03:48 PM	14357225829	1' 53"	3	SEND	OK	898	

TOTAL : 1M 53S PAGES: 3



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE:

11/20/01

FAX #:

(435) 722-5829

ATTN:

Chris Denver

COMPANY:

Water Dispatch, Inc.

DEPARTMENT:

—

NUMBER OF PAGES: (INCLUDING THIS ONE)

3

FROM:

Chris Kierst phone (801) 538-5337



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

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UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE:

11/20/01

FAX #:

(435) 722-5829

ATTN:

Chris Denver

COMPANY:

Water Disposal, Inc.

DEPARTMENT:

—

NUMBER OF PAGES: (INCLUDING THIS ONE)

3

FROM:

Chris Kierst phone (801) 538-5337

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.
We are sending from a sharp facsimile machine. Our telecopier number is (801)359-3940.

MESSAGES:

Chris, these are "recommendations" rather than "specifications." We don't have specifications for step-rate tests. We will determine if we can work with the results of the tests after we examine them. If they aren't useful, we will inform you.

Important: This message is intended for the use of the individual or entity of which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return this original message to us at the above address via regular postal service. Thank you.

QUINEX ENERGY CORPORATION

465 South 200 West
Suite 300
Bountiful, Utah 84010
(801)292-3800
Fax: (801) 295-5858

RECEIVED

NOV 21 2001

DIVISION OF
OIL, GAS AND MINING**Fax Cover Sheet**Date 21 November 2001To Christopher KierstFAX NUMBER: 801-359-3940From: DeForrest SmouseNumber of pages including cover sheet: 2**Message**

Here is a Sundry Notice on the work done on the Harmsen 1-32A1 well.

Sent by: DeForrest Smouse Telephone: 292-3800 FAX: 295-5858

PLEASE CALL IF YOU HAVE QUESTIONS REGARDING THIS TRANSMISSION.

FORM 43

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN for such proposals.

5. Lease Designation and Serial Number:

FEE

6. If owner, Allottee or Tribe Name

7. Unit Agreement Name,

FEE

8. Well Name and Number:

HARMSTON 1-32A1

9. AP Well Number:

43-013-30029

10. Field and Pool, or Wildcat:

BLUEBELL

1. Type of Well: OIL ☐ GAS ☐ OTHER: WATER DISPOSAL WELL

2. Name of Operator:

WATER DISPOSAL INC.

3. Address and Telephone Number:

434 E. 2750 N. ROOSEVELT, UTAH 84066 (435) 722-0134

4. Location of Well: 2215' FSL, 1826' FWL, Section 32, T1S, R1W, USM

Footage:

Q. Sec., T., R., M.: NESW, Section 32, T1S, R1W

County: DUCHESNE

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate date work will start

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input checked="" type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion 25 May 2001

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Ran 5" liner between 8542' and 5611' and cemented same with 175 sks Class G cement.. Cas ironBridge Plug @ 9280'. Baker Model R3 packer set @ 5698'. Water injection in perforations from 8596' to 9204'.

13.

Name & Signature:

DeForrest Smouse

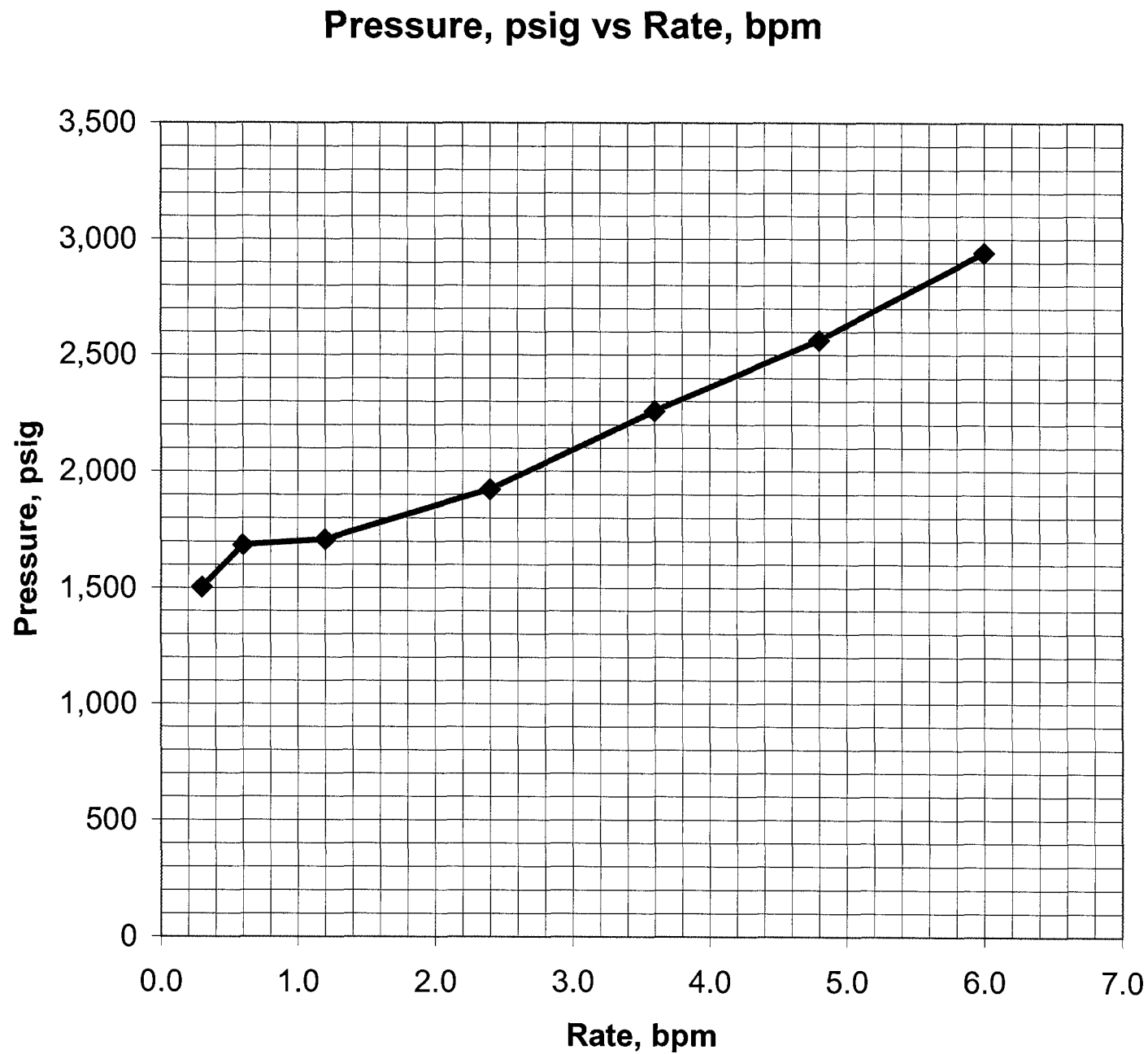
DeForrest Smouse

Title: Agent for Cris Denver,

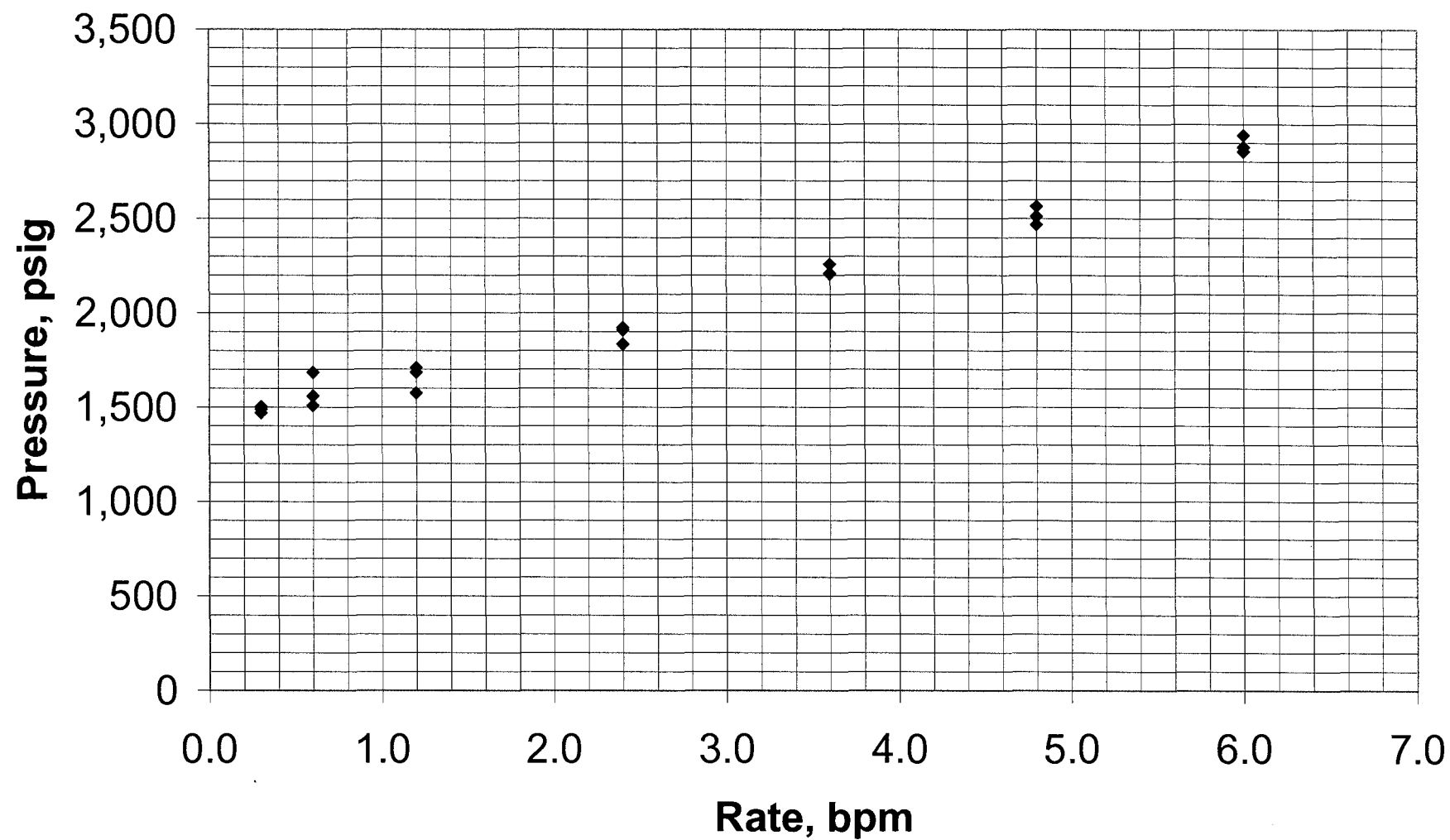
Date: 5/22/2001

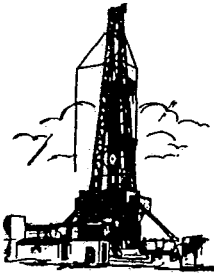
(This space for State use only)

Rate, bpm	Pressure, psig
0.3	1,503
0.6	1,684
1.2	1,708
2.4	1,922
3.6	2,258
4.8	2,563
6.0	2,941



Pressure, psig vs Rate, bpm





WATER DISPOSAL, INC.

P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532



December 11, 2001

Division of Oil Gas & Mining
Attn: Chris Kierst
1594 West North Temple, suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Step-Rate-Test Harmston 1-32A1

Dear Chris:

Enclosed you will find copies of the Step-rate test performed by Halliburton on the Harmston 1-32A1 well, date of test December 7, 2001. Wanted to point out that the well-head itself is a 3,000 pound well head, therefore we did not exceed the 3,000 pound pressure limit.

I am seeking an maximum injection pressure rating of 2,900 Psi at this time. We did not fracture the zone due to the 3,000 pound limit that the well head had according to those involved installing the well-head.

If you have any questions please give me a call or call representatives of Halliburton who performed the tests.

Sincerely,

Chris Denver, President
Water Disposal Inc.

Cc: Gil Hunt

Certified Mail 7000-0520-0024-4708-1848

RECEIVED

DEC 11 2001

DIVISION OF
OIL, GAS AND MINING

*Changed from original WIC Form 1
request maximum of 4,300 psig.
12/11/01*

HALLIBURTON		JOB LOG		TICKET # 1664564	TICKET DATE 12/7/01
REGION NORTH AMERICA		INVA / COUNTRY ROCKY MOUNTAIN / USA		BOA / STATE DENVER, CO.	COUNTY DUCHE SNE
MBU ID / EMPL # VE-0501		H.E.S. EMPLOYEE NAME M. CURTIS / 121622		PSL DEPARTMENT PRODUCTION MAINTENANCE	
LOCATION VERNAL, UT.		COMPANY WATER DISPOSAL INC.		CUSTOMER REP / PHONE DELMER CHAPMAN	
TICKET AMOUNT \$0.00		WELL TYPE U2-Gas	WELL CATEGORY U1-Development	API / UVI #	
WELL LOCATION ROOSEVELT		DEPARTMENT 5005		JOB PURPOSE CODE INJECTION TEST	
LEASE HARMSTON		WELL # #1	SEC / TWP / RNG SEC. TNS. RNG.		

Chart No.	Time	Rate (BPM)	Volume (GAL)	Drase (DCH)	Inh Description / Remarks	
				T C Tbg Csg		
	0500					CALLED OUT
	0730					ON LOCATION
	0800					RIGUP
	0942			3,000		PRIME AND TEST OUR LINES
	0944					SAFETY MEETING
	0951	0.3	0	1,469		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1009	0.3	5	1,489		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1020	0.3	9	1,503		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1020	0.6	0	1,508		GO FROM .3BPM TO.6BPM CONSTANT
	1036	0.6	10	1,559		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1044	0.6	18	1,684		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1045	1.2	0	1,574		GO FROM .6BPM TO 1.2BPM CONSTANT
	1100	1.2	20	1,708		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1112	1.2	36	1,684		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1112	2.4	0	1,834		GO FROM 1.2BPM TO 2.4BPM AT A CONATANT
	1124	2.4	31	1,909		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1141	2.4	72	1,922		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1141	3.6	0	2,258		GO FROM 2.4BPM TO 3.6 CONSTANT
	1159	3.6	61	2,211		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1211	3.6	108	2,208		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1212	4.8	0	2,469		GO FROM 3.6BPM TO 4.8BPM CONSTANT
	1229	4.8	80	2,533		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1242	4.0	144	2,563		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1242	6.0	0	2,877		GO FROM 4.8BPM TO 6.0 BPM CONSTANT
	1250	6.0	50	2,854		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1254	6.0	69	2,941		STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1254			2,940		SHUT DOWN
				1,850		ISIP
	1259			1,800		5 MIN
	1304			1,763		10MIN
	1309			1,739		15MIN
	1309			1,739		END JOB
						SUMMARY
					HHP 137	FG. 0.00
					AVG RT. 2.8 BPM	MAX RT. 6.1 BPM
					AVG PRESS. 2,000 PSI	MAX PRESS. 2,911 PSI
					TOTAL LOAD 19,404 GAL	0.0 BBL
					0	0

HALLIBURTON ENERGY SERVICES

ACQUIRE Version 2.30

CUSTOMER AND JOB INFORMATION

Customer	WATER DISPOSAL INC.	Date	07-Dec-2001
Contractor	0	County	DUCHESNE
Lease	WATER DISPOSAL INC.	Town	0
Location	ROOSEVELT UT,	Section	0
Formation	GREEN RIVER	Range	0
Job Type	STEP TEST	Permit No	
Country	USA	Well No	HARMSTON 1 DISP.WELL
State	UTAH	Field Name	ROOSEVELT

Customer Representative CHRIS DENVER

Halliburton Operator ROBERT PICKERING

Ticket No. 1664564

STAGE DESCRIPTIONS

PUMP 9 BRLs AT .3 bpm
PUMP 18Brls AT .6 bpm
PUMP 36Brls AT 1.2 bpm
PUMP 72Brls AT 2.4 bpm
PUMP 108Brls AT 3.6 bpm
pump 144Brls AT 4.8 bpm
PUMP 180Brls AT 6.0 bpm

WELL CONFIGURATION INFORMATION

Packer Type Depth 7000 ft
Bottom Hole Temp. 120.0 Deg F

PIPE CONFIGURATION

Wellbore Segment Number	Measured Depth (ft)	TVD (ft)	Casing ID (inch)	Casing OD (inch)	Tubing ID (inch)	Tubing OD (inch)
1	7000	7000	7.025	7.625	2.441	2.875
2	8000	8000	7.025	7.625	0.000	0.000

PERFORATIONS

Perforation Interval	Top (ft)	Bottom (ft)	Shots per (ft)
1	6000	8000	4

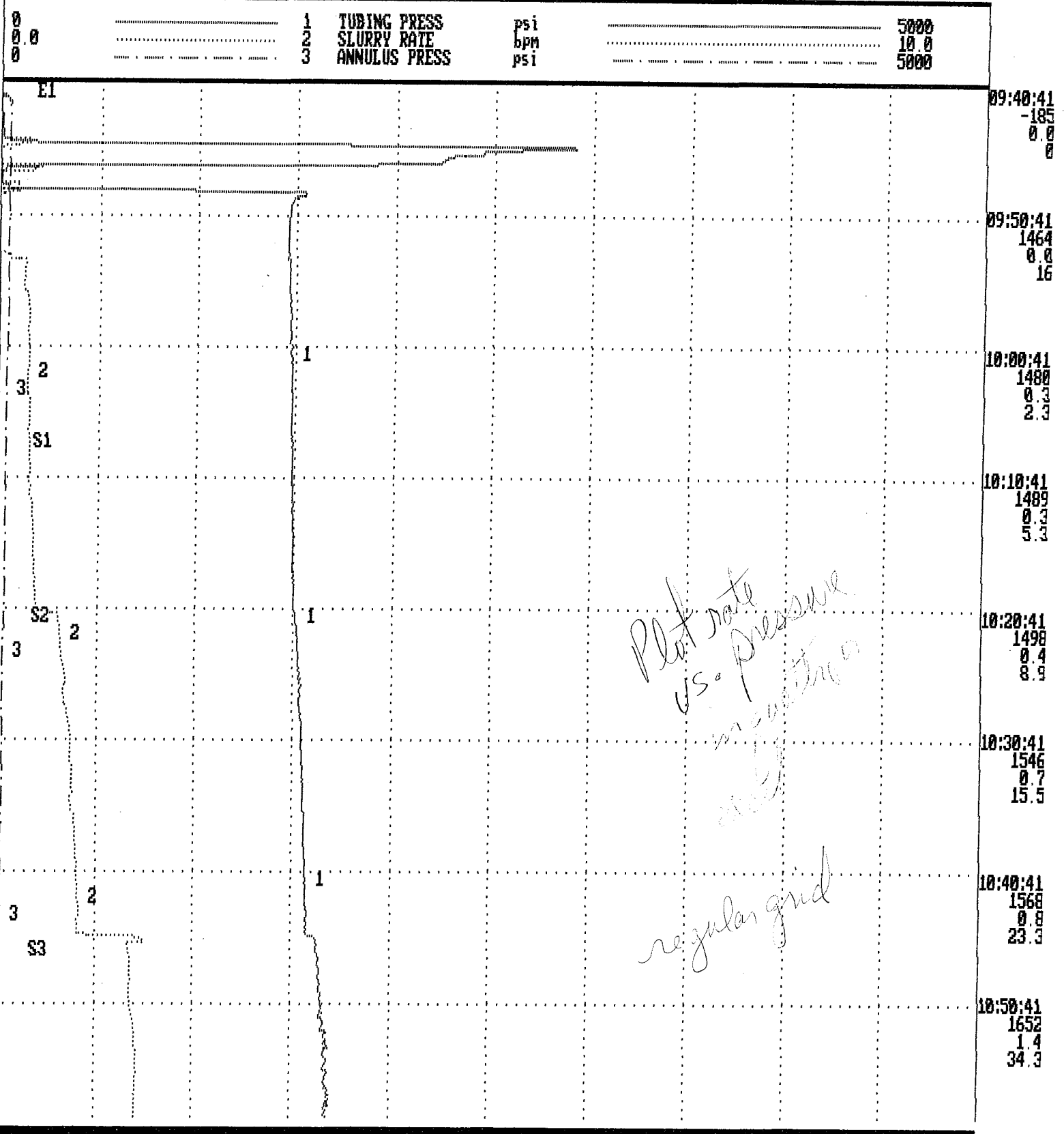
REMARKS ABOUT JOB

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE WELL CONDITIONS AND OTHER INFORMATION WHICH MUST BE RELIED UPON, HALLIBURTON MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OF THE DATA OR OF ANY CALCULATIONS OR OPINIONS EXPRESSED HEREIN. YOU AGREE THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE ARISING OUT OF OR IN CONNECTION WITH SUCH DATA, CALCULATIONS OR OPINIONS.

Customer: WATER DISPOSAL INC.
Well Desc: WATER DISPOSAL INC. HARMSTON 1
Formation: GREEN RIVER

Date: 07-Dec-2001
Ticket #: 1664564
Job Type: STEP TEST

1. Tubing Press (psi)
2. Slurry Rate (bpm)
3. Job Volume (gal)



1/500
2/1500
3/1500
4/2000
5/2500
6/3000

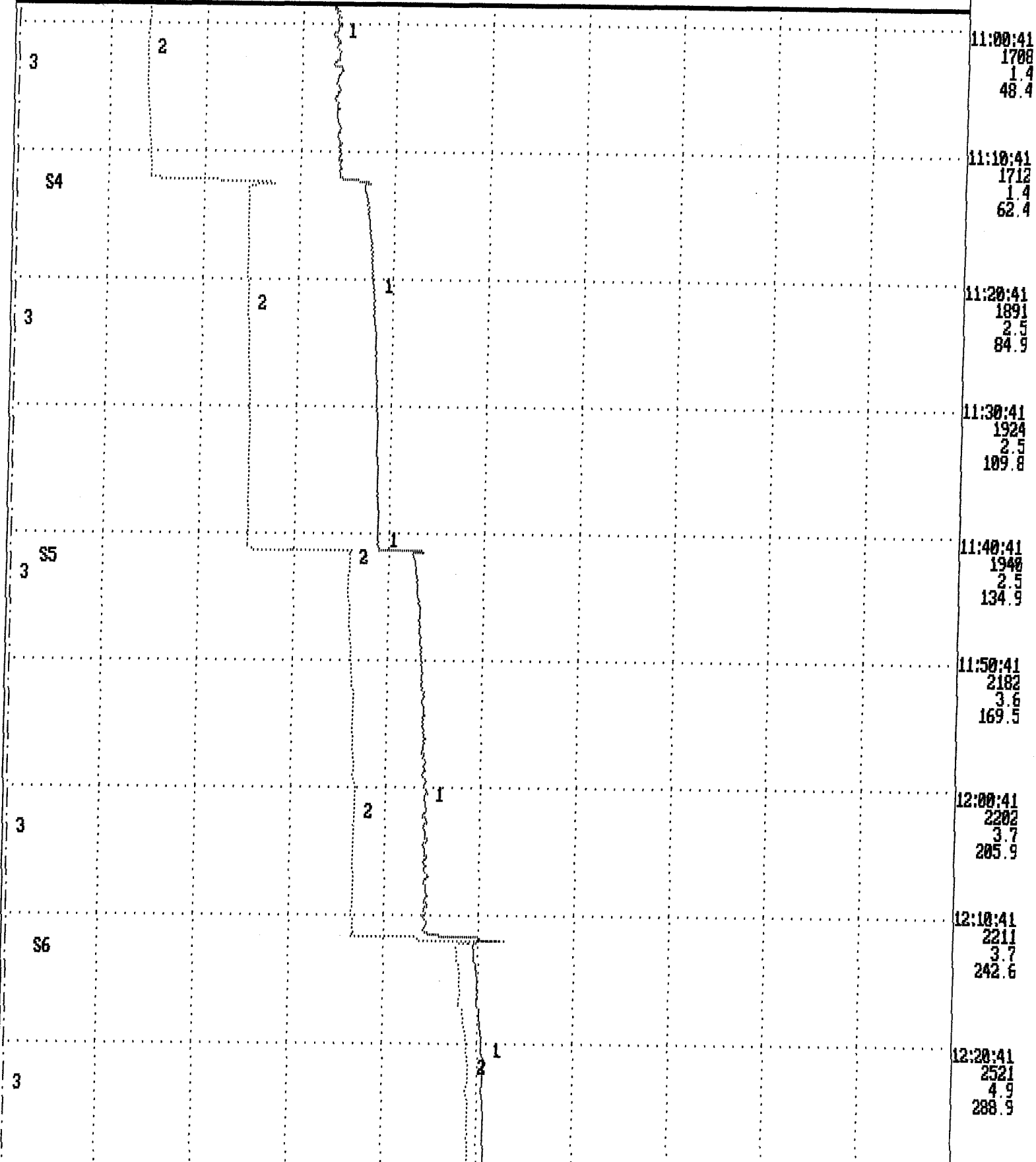
0
0.0
0

1
2
3

TUBING PRESS
SLURRY RATE
ANNULUS PRESS

psi
bpm
psi

5000
10.0
5000



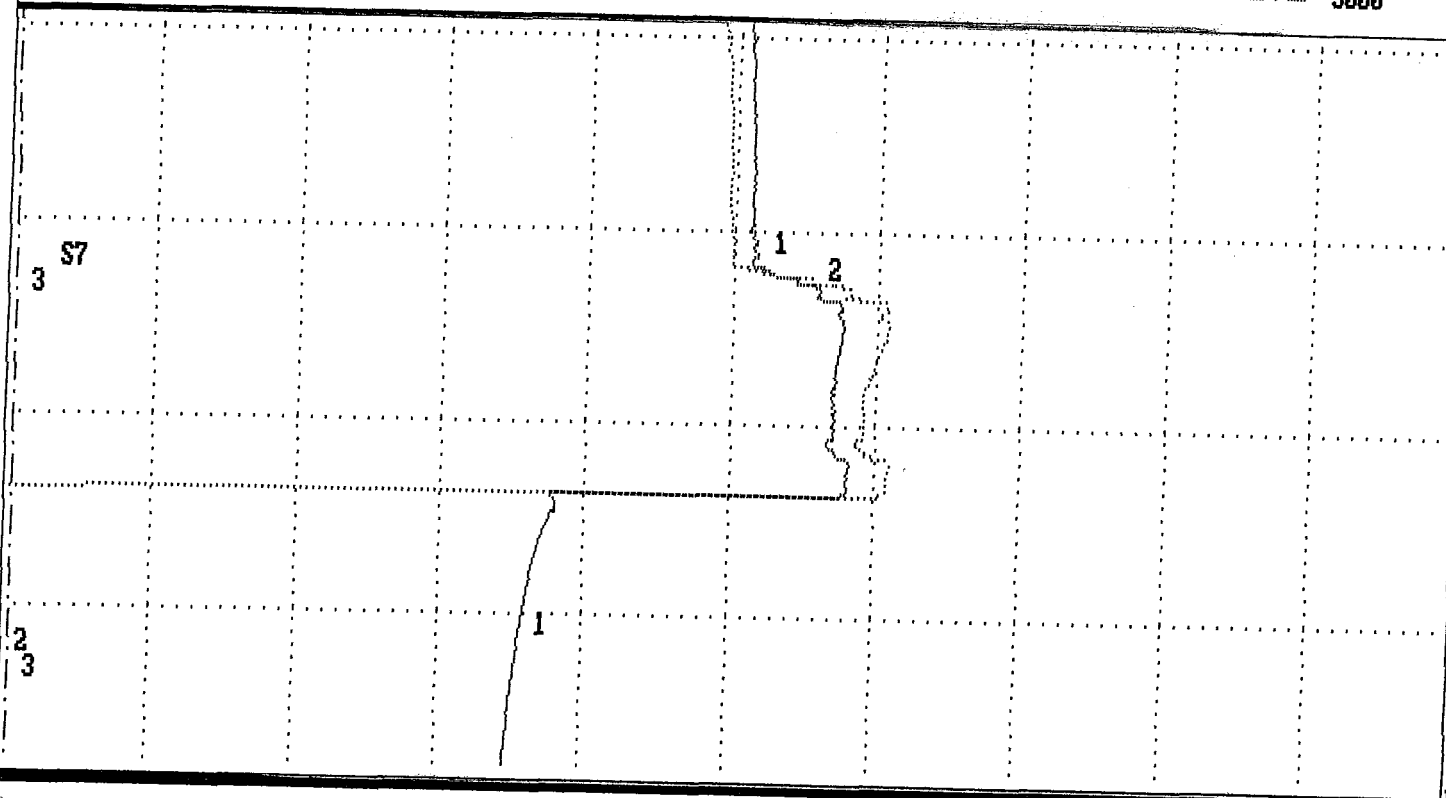
0
0
0

1
2
3

TUBING PRESS
SLURRY RATE
ANNULUS PRESS

psi
bpm
psi

5000
10.0
5000



12:30:41
2542
4.9
337.9

12:40:41
2576
5.0
387.4

12:50:41
2850
5.9
444.8

13:00:41
1792
0.0
466.9

13:02:33

1000
2000
3000
4000
5000
6000
7000
8000
9000
10000

Customer: WATER DISPOSAL INC.
Well Desc: WATER DISPOSAL INC. HARMSTON 1
Formation: GREEN RIVER

Date: 07-Dec-2001
Ticket #: 1664564
Job Type: STEP TEST

STAGE SUMMARY

Stage Times

Stage	Start Time	End Time	Elapsed Time
1	10:07:45	10:21:01	00:13:16
2	10:21:01	10:46:09	00:25:08
3	10:46:09	11:12:31	00:26:22
4	11:12:31	11:42:21	00:29:50
5	11:42:21	12:12:51	00:30:30
6	12:12:51	12:42:45	00:29:54
7	12:42:45	13:08:33	00:25:48
Total	10:07:45	13:08:33	03:00:48

AVERAGES OR VOLUMES PER STAGE -- Planned Volume vs. Actual Volume

Stage	Planned Sl Volume (bbl)	Slurry Volume (bbl)
1	9.0	4.6
2	18.0	19.1
3	36.0	36.9
4	72.0	74.5
5	108.0	111.6
6	144.0	146.5
7	180.0	69.2
Tot/Avg	567.0	462.5

AVERAGES OR VOLUMES PER STAGE -- Strip Chart Variables

Stage	Tubing Pressure (psi)	Slurry Rate (bpm)	Annulus Pressure (psi)
1	1493	0.3	38
2	1552	0.8	31
3	1680	1.4	25
4	1911	2.5	22
5	2199	3.7	22
6	2532	4.9	24
7	2272	5.9	27
Tot/Avg	2000	2.8	26

Customer: WATER DISPOSAL INC.
Well Desc: WATER DISPOSAL INC. HARMSTON 1
Formation: GREEN RIVER
Date: 07-Dec-2001
Ticket #: 1664564
Job Type: STEP TEST

STAGE SUMMARY

MAXIMUM VALUE PER STAGE -- Strip Chart Variables

Stage	Tubing Pressure (psi)	Slurry Rate (bpm)	Annulus Pressure (psi)
1	1512	0.6	40
2	1635	1.5	37
3	1718	1.5	28
4	2339	3.8	24
5	2742	5.4	23
6	2628	5.2	26
7	2911	6.1	29
Max Job	2911	6.1	40

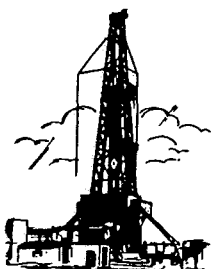
Customer: WATER DISPOSAL INC. Date: 07-Dec-2001
 Well Desc: WATER DISPOSAL INC. HARMSTON 1 Ticket #: 1664564
 Formation: GREEN RIVER Job Type: STEP TEST

JOB SUMMARY

JOB START TIME: 09:40:40
 JOB END TIME: 13:08:33
 JOB DURATION: 03:27:53

STAGES AND EVENTS:

Chart	Time	Slurry Rate (bpm)	Slurry Stage Volume (bbl)	Tubing Press. (psi)	Remark
Event #1	09:40:40	0.0	0.0	0	Start Job
Stage #1	10:07:45	0.3	9.0	1484	Pump Water
Stage #2	10:21:01	0.6	19.1	1510	Pump Water
Stage #3	10:46:09	1.3	36.9	1630	Pump Water
Stage #4	11:12:31	1.4	74.5	1713	Pump Water
Stage #5	11:42:21	3.6	111.6	2135	Pump Water
Stage #6	12:12:51	4.8	146.5	2473	Pump Water
Stage #7	12:42:45	5.2	69.2	2621	Pump Water
Event #2	13:08:33	0.0	0.0	1737	End Job



WATER DISPOSAL, INC.

P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED

DEC 12 2001

DIVISION OF
OIL, GAS AND MINING



December 11, 2001

Division of Oil Gas & Mining
Attn: Chris Kierst
1594 West North Temple, suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Step-Rate-Test Harmston 1-32A1

Dear Chris:

Enclosed you will find copies of the Step-rate test performed by Halliburton on the Harmston 1-32A1 well, date of test December 7, 2001. Wanted to point out that the well-head itself is a 3,000 pound well head, therefore we did not exceed the 3,000 pound pressure limit.

I am seeking an maximum injection pressure rating of 2,900 Psi at this time. We did not fracture the zone due to the 3,000 pound limit that the well head had according to those involved installing the well-head.

If you have any questions please give me a call or call representatives of Halliburton who performed the tests.

Sincerely,

Chris Denver, President
Water Disposal Inc.

Cc: Gil Hunt

Certified Mail 7000-0520-0024-4708-1848

HALLIBURTON		JOB LOG		TICKET # 1664564	TICKET DATE 12/7/01
REGION NORTH AMERICA		NWA / COUNTRY ROCKY MOUNTAIN / USA		SDA / STATE DENVER, CO.	COUNTY DUCHESNE
MBU ID / EMPL # VE-0501		H.E.S. EMPLOYEE NAME M. CURTIS / 121622		PSL DEPARTMENT PRODUCTION ENHANCEMENT	
LOCATION VERNAL, UT.		COMPANY WATER DISPOSAL INC.		CUSTOMER REP / PHONE DELMER CHAPMAN	
TICKET AMOUNT \$0.00		WELL TYPE U2-Gas	WELL CATEGORY U1-Development	API/WVI #	
WELL LOCATION ROOSEVELT		DEPARTMENT 5005		JOB PURPOSE CODE INJECTION TEST	
LEASE HARMSTON		WELL # #1	SEC / TWP / RNG SEC. TNS. RNG.		

Chart No.	Time	Rate (BPM)	Volume (GAL)	Drone	Drone (PSI)	Inh Description / Remarks
				T C	Tbg Csg	
	0500					CALLED OUT
	0730					ON LOCATION
	0800					RIGUP
	0942				3,000	PRIME AND TEST OUR LINES
	0944					SAFETY MEETING
	0951	0.3	0		1,469	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1009	0.3	5		1,489	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1020	0.3	9		1,503	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1020	0.6	0		1,508	GO FROM .3BPM TO .6BPM CONSTANT
	1036	0.6	10		1,559	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1044	0.6	18		1,684	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1045	1.2	0		1,574	GO FROM .6BPM TO 1.2BPM CONSTANT
	1100	1.2	20		1,708	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1112	1.2	36		1,684	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1112	2.4	0		1,834	GO FROM 1.2BPM TO 2.4BPM AT A CONSTANT
	1124	2.4	31		1,909	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1141	2.4	72		1,922	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1141	3.6	0		2,258	GO FROM 2.4BPM TO 3.6 CONSTANT
	1159	3.6	61		2,211	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1211	3.6	108		2,208	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1212	4.8	0		2,462	GO FROM 3.6BPM TO 4.8BPM CONSTANT
	1229	4.8	80		2,533	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1242	4.8	144		2,563	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1242	6.0	0		2,877	GO FROM 4.8BPM TO 6.0 BPM CONSTANT
	1250	6.0	50		2,854	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1254	6.0	69		2,941	STAY AT A CONSTANT RATE LOOK FOR A FRACTURE
	1254				2,940	SHUT DOWN
					1,850	ISIP
	1259				1,800	5 MIN
	1304				1,763	10MIN
	1309				1,739	15MIN
	1309				1,739	END JOB
						SUMMARY
					HHP 137	FG. 0.00
					AVG RT. 2.8 BPM	MAX RT. 6.1 BPM
					AVG PRESS. 2,000 PSI	MAX PRESS. 2,911 PSI
					TOTAL LOAD 19,404 GAL	0.0 BBL
					0	0

HALLIBURTON		JOB SUMMARY		TICKET #	1664564	TICKET DATE	12/7/01
REGION NORTH AMERICAN		COUNTRY ROCKY MOUNTAIN / USA		STATE / DISTRICT DENVER, CO.	COUNTY DUCHESNE		
MBU ID / EMP # VE-0601		H.E.S. EMPLOYEE NAME / EMPLOYEE # M. CURTIS / 121622		PSL DEPARTMENT PRODUCTION ENHANCEMENT			
LOCATION VERNAL, UT.		COMPANY WATER DISPOSAL INC.		CUSTOMER REP / PHONE DELMER CHAPMAN			
TICKET AMOUNT		WELL TYPE U2-Gas	WELL CATEGORY U1-Development	API/WMI #			
WELL LOCATION ROOSEVELT		DEPARTMENT 5005		JOB PURPOSE CODE INJECTION TEST			
WELL # HARMSTON #1		SEC TNS RNG					

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
M. CURTIS / 121622	6.0			
R. PICKERING / 158782	6.0			
VRADENBURGH / 193534	6.0			
	6.0			
	6.0			
	6.0			
	6.0			
	6.0			

H.E.S. UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
423180	80			
421616	80			
540456-10010	80			
	80			
	80			
	80			
	80			
	80			

Form. Name		Type:	Sand
Form. Thickness	2,000	From	6,000 To 8,000
Packer Type		Set At	7,000
Bottom Hole Temp.	120.0	Pressure	
Wells Data		Total Depth	8,000

Date	Called Out	On Location	Job Started	Job Completed
12/7/01	0500	0730	0940	1009

Materials		Well Data						
Treat. Fluid	Density	Lb/Gal	New/Used	Weight	Size	From	To	Max. Allow
Disp. Fluid	Fresh	8.33	U	6.50	2.875	0	8,000	5,000
Prop. Type	Size	Lb.						
Diverter	Size	Lb.						
Acid Type	Gal.	%						
Acid Type	Gal.	%						
Surfactant	Gal.	In						
Surfactant	Gal.	In						
Fluid Loss	Gal/Lb	In						
Gelling Agent	Gal/Lb	In						
Paraffin Rem	Gal/Lb	In						
Paraffin Rem	Gal/Lb	In						
Penetrating	Gal/Lb	In						
Perfpac Balls		Qty.						
Biocide	Gal/Lb	In						
Iron Cont.	Gal/Lb	In						
Iron Cont.	Gal/Lb	In						
Clay Control	Gal/Lb	In						
Clay Control	Gal/Lb	In						
Cor. Inhibitor	Gal/Lb	In						
Cor. Inhibitor	Gal/Lb	In						
Buffer	Gal/Lb	In						
Foamer	Gal/Lb	In						
Catalyst	Gal/Lb	In						
Gel Stabilizer	Gal/Lb	In						
Solvent	Gal/Lb	In						
Scale Inhib	Gal/Lb	In						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/07/01	7.0	12/07/01	3.27	INJECTION TEST
	7.0		3.27	

Job Leaders		Treating Personnel	
MBU LDR.	M. CURTIS / 121622	SAFETY	VRADENBURGH / 193534
TEAM LDR.	R. PICKERING / 158782	CO. DRV	VRADENBURGH / 193534
ENG.			

Ordered	RAP	Hydraulic Horsepower	Used	137
		Avail	RAP	
Max. Rate		Rates in BPM		Avg. Rate
6.1				2.8

Pressures		Volumes	
Circulating Breakdown	Displacement	Preflush:	Gal - BBI
Average	Maximum	Load & Bkdn:	Gal - BBI
Shut In: Instant	Frac. Gradient	Treatment:	Gal - BBI
	5 Min.	Total Volume	Gal - BBI
	1,800 15 Min.		19,404
			Gal
			BBL

HALLIBURTON ENERGY SERVICES

ACQUIRE Version 2.30

CUSTOMER AND JOB INFORMATION

Customer	WATER DISPOSAL INC.	Date	07-Dec-2001
Contractor	0	County	DUCHESNE
Lease	WATER DISPOSAL INC.	Town	0
Location	ROOSEVELT UT,	Section	0
Formation	GREEN RIVER	Range	0
Job Type	STEP TEST	Permit No	
Country	USA	Well No	HARMSTON 1 DISP.WELL
State	UTAH	Field Name	ROOSEVELT

Customer Representative CHRIS DENVER

Halliburton Operator ROBERT PICKERING

Ticket No. 1664564

STAGE DESCRIPTIONS

PUMP 9 BRLs AT .3 bpm
PUMP 18Brls AT .6 bpm
PUMP 36Brls AT 1.2 bpm
PUMP 72Brls AT 2.4 bpm
PUMP 108Brls AT 3.6 bpm
pump 144Brls AT 4.8 bpm
PUMP 180Brls AT 6.0 bpm

WELL CONFIGURATION INFORMATION

Packer Type Depth 7000 ft
Bottom Hole Temp. 120.0 Deg F

PIPE CONFIGURATION

Wellbore Segment Number	Measured Depth (ft)	TVD (ft)	Casing ID (inch)	Casing OD (inch)	Tubing ID (inch)	Tubing OD (inch)
1	7000	7000	7.025	7.625	2.441	2.875
2	8000	8000	7.025	7.625	0.000	0.000

PERFORATIONS

Perforation Interval	Top (ft)	Bottom (ft)	Shots per (ft)
1	6000	8000	4

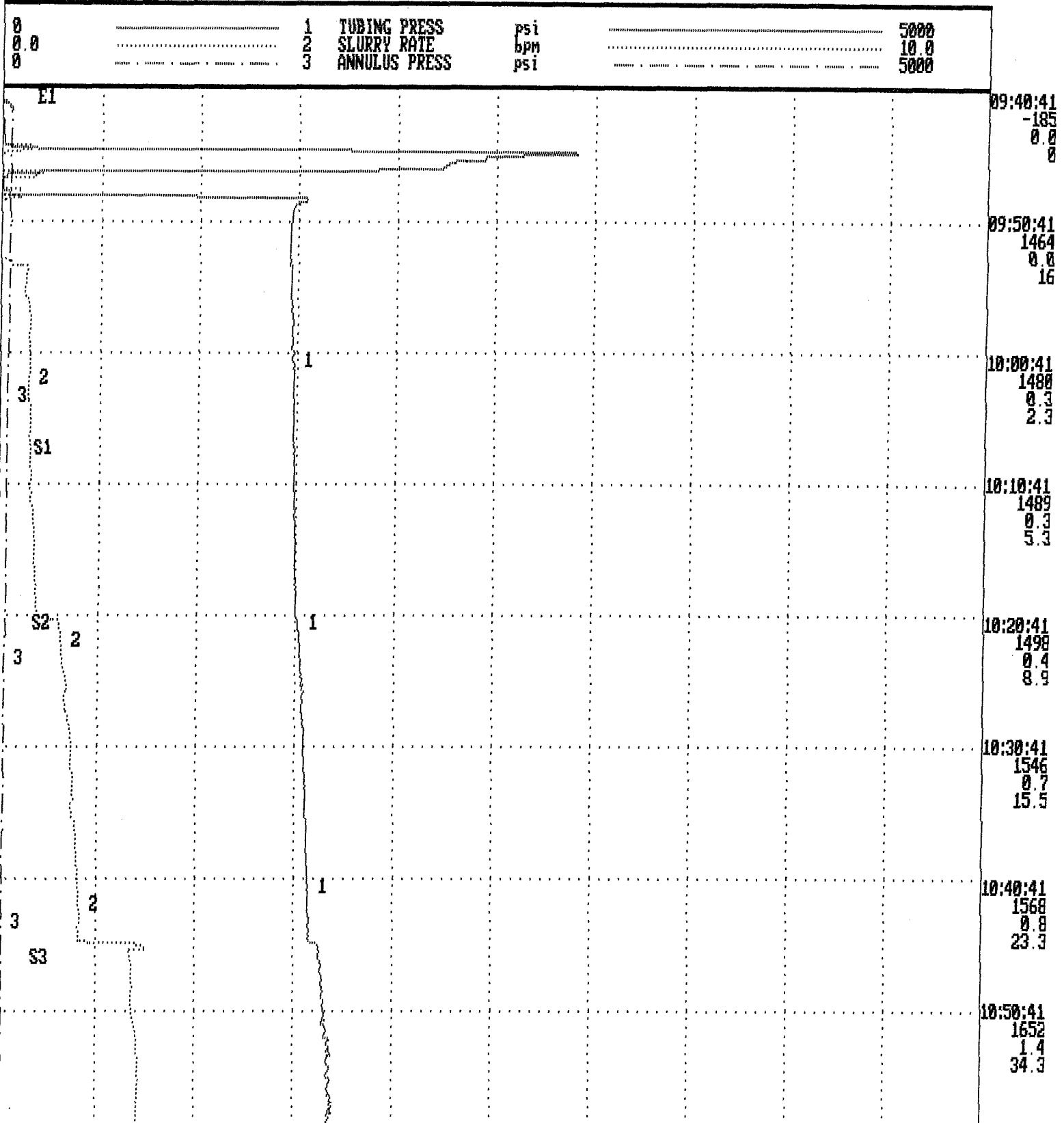
REMARKS ABOUT JOB

NOTICE: THIS REPORT IS BASED ON SOUND ENGINEERING PRACTICES, BUT BECAUSE OF VARIABLE WELL CONDITIONS AND OTHER INFORMATION WHICH MUST BE RELIED UPON, HALLIBURTON MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OF THE DATA OR OF ANY CALCULATIONS OR OPINIONS EXPRESSED HEREIN. YOU AGREE THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE ARISING OUT OF OR IN CONNECTION WITH SUCH DATA, CALCULATIONS OR OPINIONS.

Customer: WATER DISPOSAL INC.
Well Desc: WATER DISPOSAL INC. HARMSTON 1
Formation: GREEN RIVER

Date: 07-Dec-2001
Ticket #: 1664564
Job Type: STEP TEST

1. Tubing Press (psi)
2. Slurry Rate (bpm)
3. Job Volume (gal)



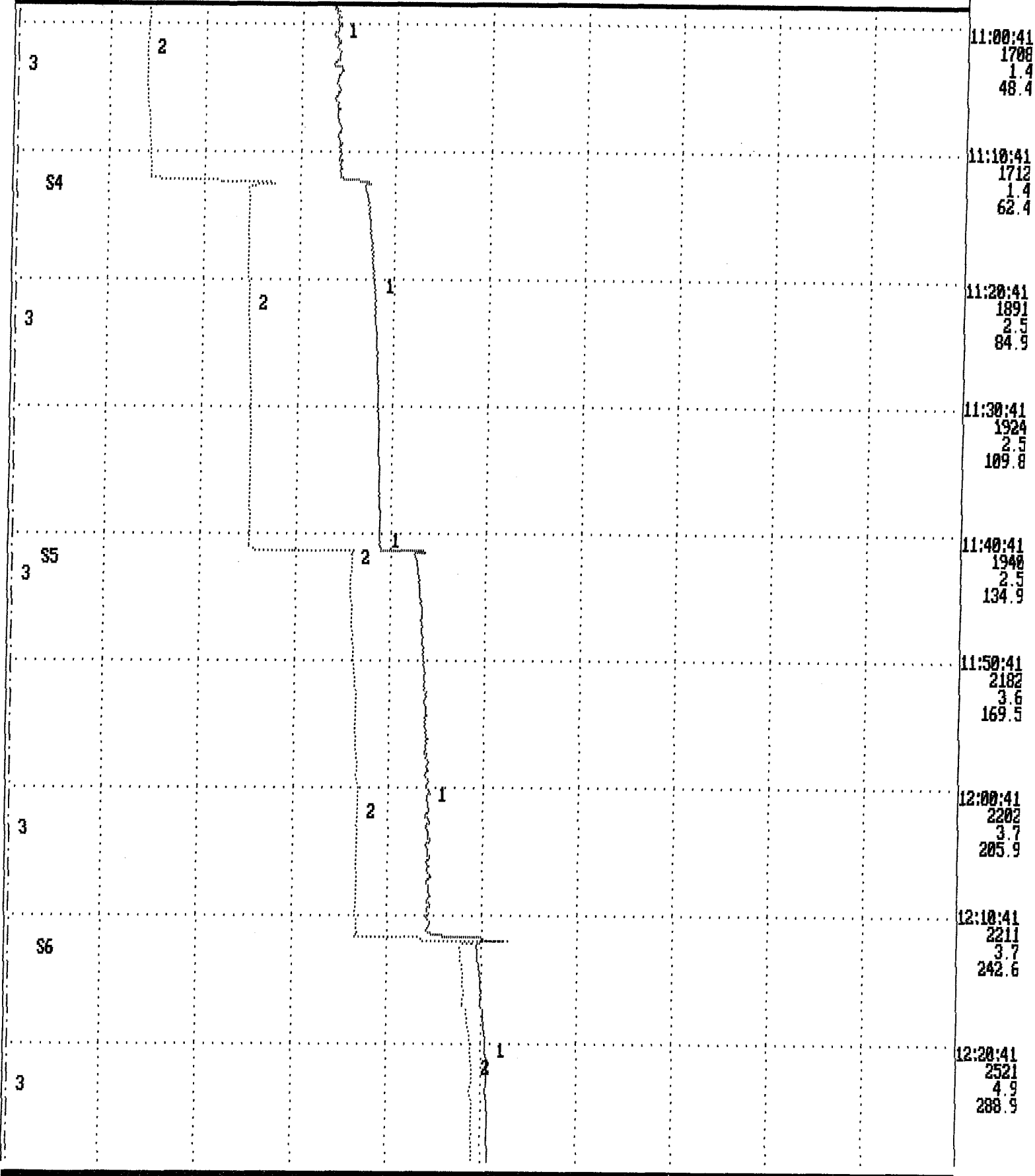
0
0.0
0

1
2
3

TUBING PRESS
SLURRY RATE
ANNULUS PRESS

psi
bpm
psi

5000
10.0
5000



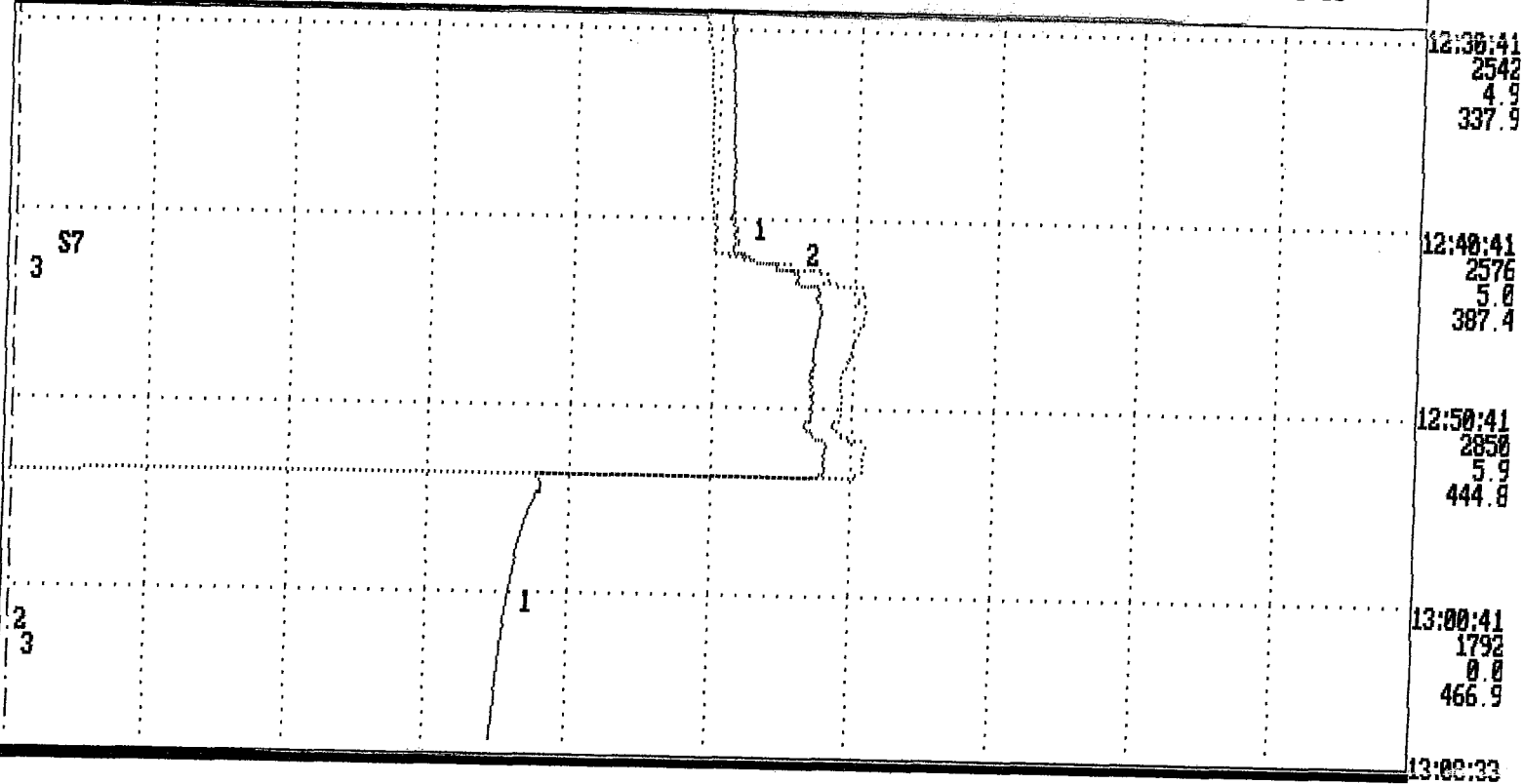
0
0.0
0

1
2
3

TUBING PRESS
SLURRY RATE
ANNULUS PRESS

psi
bpm
psi

5000
10.0
5000



Customer:	WATER DISPOSAL INC.	Date:	07-Dec-2001
Well Desc:	WATER DISPOSAL INC. HARMSTON 1	Ticket #:	1664564
Formation:	GREEN RIVER	Job Type:	STEP TEST

STAGE SUMMARY

Stage Times

Stage	Start Time	End Time	Elapsed Time
1	10:07:45	10:21:01	00:13:16
2	10:21:01	10:46:09	00:25:08
3	10:46:09	11:12:31	00:26:22
4	11:12:31	11:42:21	00:29:50
5	11:42:21	12:12:51	00:30:30
6	12:12:51	12:42:45	00:29:54
7	12:42:45	13:08:33	00:25:48
Total	10:07:45	13:08:33	03:00:48

AVERAGES OR VOLUMES PER STAGE -- Planned Volume vs. Actual Volume

Stage	Planned Sl Volume (bbl)	Slurry Volume (bbl)
1	9.0	4.6
2	18.0	19.1
3	36.0	36.9
4	72.0	74.5
5	108.0	111.6
6	144.0	146.5
7	180.0	69.2
Tot/Avg	567.0	462.5

AVERAGES OR VOLUMES PER STAGE -- Strip Chart Variables

Stage	Tubing Pressure (psi)	Slurry Rate (bpm)	Annulus Pressure (psi)
1	1493	0.3	38
2	1552	0.8	31
3	1680	1.4	25
4	1911	2.5	22
5	2199	3.7	22
6	2532	4.9	24
7	2272	5.9	27
Tot/Avg	2000	2.8	26

Customer: WATER DISPOSAL INC.
Well Desc: WATER DISPOSAL INC. HARMSTON 1
Formation: GREEN RIVER
Date: 07-Dec-2001
Ticket #: 1664564
Job Type: STEP TEST

STAGE SUMMARY

MAXIMUM VALUE PER STAGE -- Strip Chart Variables

Stage	Tubing Pressure (psi)	Slurry Rate (bpm)	Annulus Pressure (psi)
1	1512	0.6	40
2	1635	1.5	37
3	1718	1.5	28
4	2339	3.8	24
5	2742	5.4	23
6	2628	5.2	26
7	2911	6.1	29
Max Job	2911	6.1	40

Customer: WATER DISPOSAL INC. Date: 07-Dec-2001
 Well Desc: WATER DISPOSAL INC. HARMSTON 1 Ticket #: 1664564
 Formation: GREEN RIVER Job Type: STEP TEST

JOB SUMMARY

JOB START TIME: 09:40:40
 JOB END TIME: 13:08:33
 JOB DURATION: 03:27:53

STAGES AND EVENTS:

Chart	Time	Slurry Rate (bpm)	Slurry Stage Volume (bbl)	Tubing Press. (psi)	Remark
Event #1	09:40:40	0.0	0.0	0	Start Job
Stage #1	10:07:45	0.3	9.0	1484	Pump Water
Stage #2	10:21:01	0.6	19.1	1510	Pump Water
Stage #3	10:46:09	1.3	36.9	1630	Pump Water
Stage #4	11:12:31	1.4	74.5	1713	Pump Water
Stage #5	11:42:21	3.6	111.6	2135	Pump Water
Stage #6	12:12:51	4.8	146.5	2473	Pump Water
Stage #7	12:42:45	5.2	69.2	2621	Pump Water
Event #2	13:08:33	0.0	0.0	1737	End Job

Water Disposal, Inc.
P. O. Box 85
Roosevelt, Utah 84066
801-353-4700
801-823-6442

CERTIFIED MAIL



7000 0520 0024 4708 1848



9264



84114

U.S. POSTAGE
PAID
ROOSEVELT, UT
84066
DEC 11, 01
AMOUNT

\$4.40
00011827-02

DNR

Division of Oil, Gas & Mining
Attn: Chris Kierst
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

B

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-267

Operator: Water Disposal, Incorporated

Wells: Harmston 1-32A1

Location: Section 32, Township 1 South, Range 1 West (USM),
Duchesne County, Utah

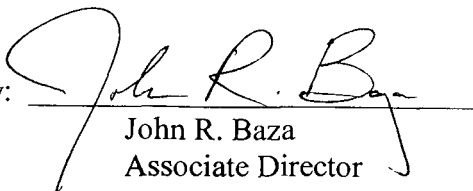
API No.: 43-013-30224

Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 31, 2001.
2. Maximum Allowable Injection Pressure: 2,900 psig
3. Maximum Allowable Injection Rate: Limited by pressure.
4. Injection Interval: 8,200 feet to 9,060 feet (Green River Formation)
5. Conduct a tracer survey to verify injection into approved zone, to be done after six months of operation and no later than eight months from this permit date.
6. Move packer closer to top injection perforations, exact depth to be accepted by Division prior to setting, to be accomplished no later than eighteen months after this permit date.

Approved by:


John R. Baza
Associate Director

12/20/2001
Date

cc: Duchesne Co Planning



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

August 31, 2001

Water Disposal, Inc.
PO Box 85
Roosevelt, Utah 84066

Re: Harmston 1-32A1 Well, Section 32, Township 1 South, Range 1 West (USM),
Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Water Disposal, Incorporated.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Christopher Kierst at (801) 538-5337 at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza
Associate Director

er

cc: Dan Jackson, Environmental Protection Agency
Clayton Chidester, Duchesne County Planning

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
STATEMENT OF BASIS**

Applicant: Water Disposal, Incorporated

Well: Harmston 1-32A1

Location: NESW Sec. 32, T.1 S., R.1 W. (USM), Duchesne County

API #: 43-013-30224

Ownership Issues:

The surface location is on privately owned land. There are 29 other surface owners within the ½ mile radius area of review. Devon Energy Corporation, P.O. Box 290, Neola, Utah, is the operator of all other leases within the ½ mile radius. An affidavit has been filed stating that all surface owners within the ½ mile area have been notified.

Supplementary Historical Information about the Well:

This well is currently permitted as a Class II Salt Water Disposal Well, injecting into the Douglas Creek - Renegade Aquifer of the Green River Formation in an interval from 9,060 feet to 9,205 feet. The operator proposes to expand the injection interval by obtaining a permit for an incremental interval from 8,200 feet to 9,060 feet. The well was originally completed as a producing oil well on 12/12/73 and abandoned on 7/26/99 as witnessed by Dennis Ingram of the Roosevelt office of the Division of Oil, Gas and Mining. The Board of the Division of Oil, Gas and Mining granted administrative approval of the conversion on 3/28/01. The Division on 4/24/01 granted a permit for reentry. On 8/6/01 the Board agreed to consider an amendment to the application for conversion of this well to a Class II Injection Well. On 8/31/01 the Division issued an approval of the application to convert the well for an amended injection interval.

Well Integrity:

This well has 9 5/8", 36#, K-55 ST&C surface casing, in a 13 3/4" hole, set at 2,500 feet and cemented to surface with 2,103 sacks of 50/50 POZ with 2% gel and 2% calcium chloride. 7", 26#, S-95 LT&C production casing, in a 8 3/4" hole, was set from 10,508 feet TD to surface and cemented with 700 sacks of 50/50 POZ, 2% gel, 10% salt and 0.2% D-13. A 5", 18#, S-95 ST&C production liner was hung in a 6 1/4" hole from 10,315 feet TOL to 13,000 feet TD and cemented with 360 sacks (110 barrels) of Class G - 50/50 POZ and 0.2% D-13. The current PBTD is +/-10,315 feet because of a junk CIBP pushed to TOL. During the witnessed abandonment operation on 7/26/99, the 7" casing was cut at 2,528 feet but the casing stuck so it was left in the hole. An attempt was made to inject cement through the cut but it was unsuccessful. When the casing

was tested, it leaked off 125 psi in 15 minutes. The original Cement Bond Log (CBL) was run from 12,978 feet to 6,500 feet and from 4,200 feet to 3,000 feet. This CBL doesn't provide a 2-curve amplitude display and was not run at pressure to preclude the formation of a microannulus. A Cement Evaluation Log was also run but is not sufficient to verify cement bonding. A new CBL was run on 5/3/01 from 8,144' to 2,300'. The operator proposes to hang a 2,700 foot length of 5 inch, 18# liner from 5850 feet to 8550 feet and cement it with Class "G" cement.

Ground Water Protection:

The operator proposes to inject into the upper Green River Formation in an interval between 8,200 feet and 9,060 feet, incrementing the currently permitted injection interval between 9,060 feet and 9,440 feet. The operator seeks to inject at a maximum rate of 5,000 barrels of water per day and a maximum pressure of 4,300 psig, which is the same maximum rate and pressure permitted for the current interval. Production from the Green River and Wasatch Formations will provide the injectate water. An analysis of a representative sample of the injectate water from another disposal well yielded 13,725 parts per million, Total Dissolved Solids. The location of the proposed injection well is approximately 4 miles northwest of Roosevelt, UT, approximately $\frac{3}{4}$ mile northeast of Cottonwood Creek and approximately $\frac{1}{4}$ mile east of Highway 121. The location is set on surficial sediments of the late Eocene to upper Oligocene age Duchesne River Formation that are largely comprised of variegated red shale, siltstone, sandstone and conglomerate. The middle to late Eocene age Uinta Formation underlies the Duchesne River Formation and is comprised of thin-bedded shale, siltstone and fine-grained sandstone. There are also alluvial sediments near the location that are mantling the surfaces of erosional remnants or are associated with watercourses and experiencing water table conditions. The alluvium mantling the erosional remnants is likely to be drained because it is both elevated and discontinuous. When wet from precipitation, these serve to help recharge the bedrock Duchesne River - Uinta aquifer. The Duchesne River and Uinta Formations are classified as a geohydrologic unit, an aquifer. Transmissivity in this aquifer is thought to be a function of fracturing with sediment type a lesser consideration, local vagaries aside. Underlying the Uinta Formation is the Eocene age Green River Formation, the two uppermost Members of which, the Parachute Creek and Garden Gulch, comprise the Parachute Creek geohydrologic confining unit. Below this unit is the Douglas Creek - Renegade aquifer. It is comprised of two stratigraphic units, the Douglas Creek Member of the Green River Formation and Renegade Tongue of the Wasatch Formation. The proposed Class II injection well permit involves all of the above stratigraphic and geohydrologic units, save the Renegade Tongue stratigraphic unit. The operator proposes to add capacity by increasing the injection interval with additional upper Green River strata, presumably from the Garden Gulch and Parachute Creek Members. These incremental strata are part of the Parachute Creek geohydrologic confining unit. Approximately 450 feet of the Parachute Creek geohydrologic confining unit will remain above the permitted injection interval to ensure confinement between the injection interval and the overlying Duchesne River - Uinta aquifer. In United States Geological Survey Technical Publication #92 (1987), the base of moderately saline ground water is estimated at

*Changed to
2,900' to 8,550'
in lower letters
dated 12/11/01 &
revised 12/13/01
which includes
results of 12/7/01
strip logs
by Halliburton.
C/K
12/12/01*

approximately 4,500' above sea level. This equates to a depth of 843 feet TD in the subject well. Assuming casing integrity, the proposal will allow injection into part of a known aquifer and the lower portion of a thick, known superjacent confining unit, above which is approximately 6,900' of Duchesne River – Uinta aquifer strata containing water which likely exceeds 10,000 ppm Total Dissolved Solids (TDS). No sample analysis is currently available to elucidate the attributes of the water in the injection zone. The operator proposes to gather such information upon re-entering the well and to conduct injectate/formation water compatibility and step rate tests. There should be adequate confining interval (450 feet) to protect shallow fresh water aquifers from contamination by injection into this well. No compatibility problems are anticipated since the major source of both the Class II waters from surrounding wells and the native injection zone waters is, in large part, the same formation. There are 8 shallow water wells within the 1/2 mile area of review. Any shallow fresh water zones will be adequately protected by the existing 7 inch casing and cement construction and the proposed 5 inch liner.

Oil/Gas & Other Mineral Resources Protection:

Owners of nearby mineral interests have suggested that injection into this well may have adverse impacts on correlative production intervals in nearby wells and on correlative production associated with planned water flood projects. The injection zone is also a known producing formation in the field. There are no producing wells within the 1/2 mile area of review.

Bonding:

Water Disposal, Incorporated, must establish a bond with the Division in the amount of \$20,000 dollars for the plugging and site restoration for this well, prior to receiving an approval to re-enter and drill out the plugs in the well.

Actions Taken and Further Approvals Needed:

A public notice of the application for additional injection interval for this permitted Class II injection well was published in both the Salt Lake Tribune and the Uinta Basin Standard newspapers. Many objections to the original application were received. The permittee needs to convert the well as proposed in the original submitted application and the amending application. A step rate test will have be performed to determine the parting pressure of the formation to verify that the proposed maximum injection pressure will not exceed the formation parting pressure as per R649-5-2.9. Water from the storage pit, which will provide a possible source of the injectate, must be sampled, analyzed and reported prior to the issuance of a Class II injection permit. The proposed injection zone must be sampled and a mixed waters compatibility test must be run to estimate the scaling tendency. A valid and successful casing mechanical integrity test will need to be conducted as proof of mechanical integrity prior to issuance of an injection permit. Mechanical Integrity Testing will be performed periodically as required by rule.

Christopher J. Kierst
Reviewer

9/5/2001
Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
Harmston 1-32A1

9. API NUMBER:
43-013-30224

10. FIELD AND POOL, OR WILDCAT
Bluebell

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 32 T1S R1W

12. COUNTY: Duchesne 13. STATE: UTAH

17. ELEVATIONS (DF, RKB, RT, GL):
5343KB

21. DEPTH BRIDGE MD
PLUG SET: TVD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Disposal well

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Water Disposal Inc.

3. ADDRESS OF OPERATOR: P.O. Box 85 Roosevelt Utah 84066 PHONE NUMBER: 722-0134

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2215' FSL & 1826' FWL (NESW)

AT TOP PRODUCING INTERVAL REPORTED BELOW: Same

AT TOTAL DEPTH: Same

14. DATE SPUDDED: 4-25-01 15. DATE T.D. REACHED: 7-10-2001 16. DATE COMPLETED: 10-2-01 ABANDONED ☐ READY TO PRODUCE ☐

18. TOTAL DEPTH: MD TVD 9,060' 19. PLUG BACK T.D.: MD TVD 9,060'

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

All Logs currently on file
No New logs received for this RE-ENTRY

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
9-5/8"	K-55	36#	0	2,500		2103s			
7"	S-95	26#	0	10,508					
5"	S-95	18#	10,315	13,000					
5"	N-80	18#	5,661	8,542		45 barrels	See Report on File		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"		5,680	5"					

26. PRODUCING INTERVALS (Model R3-Double Grip)

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) UGR	0	10,000			Injection			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					(8,200 to 9,060)			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:
S - Inactive

RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: /	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
See Reports Filed with State Already.					

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Chris Denver TITLE President
 SIGNATURE  DATE 6-4-02

This report must be submitted within 30 days of

- ! completing or plugging a new well
- ! drilling horizontal laterals from an existing well bore
- ! recompleting to a different producing formation
- ! reentering a previously plugged and abandoned well
- ! significantly deepening an existing well bore below the previous bottom-hole depth
- ! drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

RECEIVED

JUN 10 2002

DIVISION OF
 OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Water Disposal Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 85 Roosevelt, Utah 84066 CITY STATE ZIP		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215' FSL & 1826' FWL (NESW) QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 32 T1S R1W SLM		8. WELL NAME and NUMBER: 9. API NUMBER: 43-013-30224 10. FIELD AND POOL, OR WLDGAT: Bluebell
		COUNTY: Duchesne STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

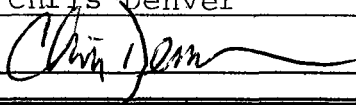
Started Injecting water into formation on October 9, 2001.
On December 7, 2001 Halliburton arrived on site to perform a
Step-rate Test on the Harmston 1-32A1 well. The results of this
test was submitted to Gil Hunt on December 11, 2001.

See Reports already filed with the State.

RECEIVED

JUN 10 2002

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Chris Denver</u>	TITLE <u>President</u>
SIGNATURE <u></u>	DATE <u>6-4-02</u>

(This space for State use only)

8:41 6/12

Chris Denver
(435) 722 2922

12 4738

Total 28300

(435) 722-3532 WDI
(435) 722-2922 Chris Denver

4301330224

Company

WATER DISPOSAL INC.

Well Name

HARMSTON 1-32A1

API Number

43013302240000

Month	Volume
10	33700
11	35200
12	14650
Total	83550

CK FYI

No listing in ~~the~~ RBDMs

Status PA/OW 0 & G

No compl for entry & conv WDW

MRT 10/3/01

Need date RBDMs/mask/UIC

(next MRT due 10/3/06)

There is no Completion Form in file for
this well subsequent to 4/01 permit APD
approval by J. Baga & 5/21/02
Not in file

Company

WESTERN WASTE INC

Well Name

BLUE BENCH 13-1

API Number

43013309710000

Month	Volume
-------	--------

Requested Chris Denver
tender a Completion Form 8 and
a date of 1st Injection on Sunday
Form 8 for this well. CK 5/21/02

Chris Denver filed the Form 8 on 6/10/02 CK 8/22/02

Wednesday, May 15, 2002

Page 46 of 49

Chris Denver
435 722 2922

4	1740
5	1590
6	1770
7	2585
8	2517
9	2984
10	1192
11	3810
12	4738

Total 28300

4301330224

Company

WATER DISPOSAL INC.

Well Name

HARMSTON 1-32A1

API Number

43013302240000

Month	Volume
10	33700
11	35200
12	14650
Total	83550

CK FYI

No listing in ~~the~~ RBMS

Status PA/OW 0 & 6

No compl for entry & conu wdw

MIT 10/3/01

Need date RBMS/mask/UIC

(next MIT due 10/3/02)

There is no Completion Form in file for this well subsequent to 4/01 permit APD approval by J. Baga & 5/21/02

Not in file

Company

WESTERN WASTE INC

Well Name

BLUE BENCH 13-1

API Number

43013309710000

Month	Volume
-------	--------

Requested Chris Denver to tender a Completion Form 8 and a date of 1st Injection on Sunday Form for this well. CK 5/21/02

Chris Denver filed the Form 8 on 6/10/02 CK 8/22/02

Wednesday, May 15, 2002

Page 46 of 49

Chris Denver
435 722 1111

[illegible]

Number Sacks	Cement Type
2,103	50/50 POZ
700	50/50 POZ
360	Class G-50/50 POZ
175	Class G



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

4301330224

March 14, 2006

John Chasel
Water Disposal Inc.
2285 Lucky John Drive
Park City, Utah 84060

Re: Permit Modification - Commercial Water Disposal Facility ("the Facility")
located in Sec. 32, T. 1S, R1W, USM, Duchesne County, Utah.

Dear Mr. Chasel,

On June 11, 1987, the Dept. of Health granted approval to operate the above referenced facility.

On May 6, 1991, the Division of Oil, Gas, and Mining ("the Division") granted approval to operate the upgraded facility (evaporative Pit 1). Approval to operate upgraded evaporative Pit 2 at the Facility was granted on February 6, 1992, followed by approval to operate evaporative Pit 3 on December 9, 1997. An application was submitted to operate evaporative Pit 4 at the Facility that was denied by the Division on July 18, 2000.

On December 20, 2001, the Division granted approval to operate the Harmston 1-32A1 water disposal well ("WDW"), API No. 43-013-30224, located at the Facility. The WDW is currently active.

Evaporative Pit 1 was reclaimed at the Facility following a dike breach that occurred in April 2004. Division personnel monitored cleanup operations, and conducted an onsite inspection to confirm final pit closure on October 6, 2005.

On March 3, 2006, the Division received a copy of the Duchesne County "Conditional Use Permit" issued to Water Disposal Inc. ("WDI") with an effective date of August 22, 2005 (copy attached). The "Conditional Use Permit" states that the remaining previously approved evaporation ponds (Pits 2 & 3) shall no longer be used for the evaporation of wastewater. Pit 2 shall be used solely for the purpose of temporarily storing wastewater when the WDW is in need of repair, and Pit 3 shall only be used if there is a problem with the liner in Pit 2.

One time approval to remediate oily dirt located in Pit 4 area at the Facility was granted by the Division on March 6, 2006. The oily dirt shall be remediated in the designated area only in accordance with the Divisions' recommended cleanup standards, see Environmental Handbook located at www.ogm.utah.gov.

In order to avoid conflict with the Duchesne County "Conditional Use Permit", please be advised that approval to operate Pits 1 & 2 at the Facility as evaporative pits is hereby modified effective immediately. Other pits located at the facility; concrete dump pit, small lined skim pit, and support equipment (10/tanks, centrifuge, & office) are considered part of the disposal well support facilities, see attached DOGM facility layout map.

Operations at the Facility shall continue to be conducted in accordance with Utah Administrative Code R649-9 et al "Waste Management and Disposal", of The Oil and Gas Conservation General Rules.

The leak detection systems shall be checked weekly. Any leak shall be reported to the Division immediately, and corrective measures taken. Quarterly reports shall be filed that contain a record of the leak detection system inspections. Failure to report as outlined herein will be considered a violation. In addition, Division personnel will conduct periodic visual inspections of the facility, and leak detection systems.

The issuance of this permit does not supercede local ordinances, county planning and zoning requirements, or other permits required to conduct business at the Facility.

The Facility is not authorized to take any hazardous wastes, and may be subject to Utah, Department of Environmental Quality and Federal, Environmental Protection Agency applicable laws and regulations if wastes of this nature are collected.

A copy of this approval should be kept at the Facility field office and personnel should be aware of the conditions of approval.

The Facility is associated and operated in conjunction with a commercial Class II Injection Well ("Harmston 1-32A1"). Therefore, the Facility shall be bonded in accordance with Utah Administrative Code R649-3-1 et al "Bonding", of The Oil and Gas Conservation General Rules. WDI has submitted a Letter of Credit, No. NZS499876 (\$120,000.00) issued by Wells Fargo Bank NA, effective October 15, 2003.

Page 3
Mr. John Chasel
March 14, 2006

In addition, the pre-existing facility bonds (\$22, 198.50 total) submitted by WDI in accordance with Utah Administrative Code R649-9-9 et al "Bonding of Disposal Facilities" shall be retained by the Division until the requirements of Utah Administrative Code R649-9-7 "Final Closure and Cleanup of Disposal Facilities" have been met.

If you have any questions, please contact Lisha Cordova at (801) 538-5296 or Brad Hill at (801) 538-5315.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt", with a stylized flourish at the end.

Gil Hunt
Associate Director, Oil & Gas

Attachments: 2

LC:mf

cc: Brad Hill, Permitting Manager
Dan Jarvis, Operations Manager
Richard Powell, Roosevelt Office
Mike George, DEQ/Div. of Water Quality
Robert Leake, Div. of Water Rights/Dam Safety
Duchesne County Planning Commission
Well File, Harmston 1-32A1 (API No. 43-013-30224)
Facility File
Bond File



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 23, 2010

Mr. John Chasel
Water Disposal, Incorporated
2285 Lucky John Drive
Park City, Utah 84060

43 013 30224
1S 1W 32

Subject: Harmston 1-3A1 Salt Water Disposal Well

Mr. Chasel:

The Harmston 1-3A1 Salt Water Disposal Well was permitted on 12/20/2001. At the time the permit was issued, a number of conditions of approval were stipulated (see attached copy of permit). Condition number 5 was to conduct a tracer survey to verify the injection zone and condition number 6 was to move the packer closer to the injection perforations within eighteen months. A review of the files indicates that neither of these conditions has been met.

Please respond to the Division of Oil, Gas and Mining (the "Division") within 10 days of receipt of this letter providing a time frame and procedure for addressing the above two unfulfilled conditions. Additionally this well is now overdue for its 5 year required mechanical integrity test. At the time the packer is relocated to a Division approved depth, please plan on conducting a casing/tubing pressure test. The timeframe for these conditions shall not exceed 60 days from the date of this notice. If you have any questions regarding this matter, feel free to call me at 801-538-5338.

Sincerely,

Dan Jarvis
UIC Geologist

DJJ/js
Enclosure
cc: Dennis Ingram, Petroleum Specialist

N:\O&G Reviewed Docs\ChronFile\UIC\Water Disposal Inc





State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

B

UNDERGROUND INJECTION CONTROL PERMIT

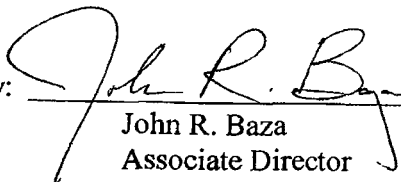
Cause No. UIC-267

Operator: Water Disposal, Incorporated
Wells: Harmston 1-32A1
Location: Section 32, Township 1 South, Range 1 West (USM),
Duchesne County, Utah
API No.: 43-013-30224
Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 31, 2001.
2. Maximum Allowable Injection Pressure: 2,900 psig
3. Maximum Allowable Injection Rate: Limited by pressure.
4. Injection Interval: 8,200 feet to 9,060 feet (Green River Formation)
5. Conduct a tracer survey to verify injection into approved zone, to be done after six months of operation and no later than eight months from this permit date.
6. Move packer closer to top injection perforations, exact depth to be accepted by Division prior to setting, to be accomplished no later than eighteen months after this permit date.

Approved by:


John R. Baza
Associate Director

12/20/2001
Date

cc: Duchesne Co Planning

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Water Disposal Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 465 South 200 west CITY Bountiful STATE Ut ZIP 84010		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (801) 292-3800		8. WELL NAME and NUMBER: Harmstron 1-32A1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL		9. API NUMBER: 4301330224
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 32 1S 1W		10. FIELD AND POOL, OR WILDCAT: Bluebell
COUNTY: Duchesne		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/2/2010</u>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Recompletion</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached documents. Perform tracer survey and lower tubing with new MIT as per division permit stipultaions

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 3-25-10
By: D. J. [Signature]

COPY SENT TO OPERATOR

Date: 4.1.10
Initials: KS

NAME (PLEASE PRINT) <u>K. Michael Hebertson</u>	TITLE <u>Agent</u>
SIGNATURE <u>K. Michael Hebertson</u>	DATE <u>3/24/2010</u>

(This space for State use only)

Please notify the Division 24 hrs prior to conducting the RAT survey.

(See Instructions on Reverse Side)

RECEIVED

MAR 24 2010

DIV. OF OIL, GAS & MINING

Workover Procedure
Harmston 1-32A1 Salt Water Disposal
Section 32, Township 1 South, Range 1 West USM
API 43-013-30224

The following is proposed to comply with State of Utah Conditions of Approval as set forth in the Underground Injection Control Permit, Cause No. UIC 267 issued 12/20/2001.

As stipulated in the permit, Stipulation No. 5 reads as follows:

5. Conduct a tracer survey to verify injection into approval zone, to be done after six months of operation and no later than eight months from this permit date.

As stipulated in the permit, Stipulation No.6 reads as follows:

6. Move packer closer to top injection perforations, exact depth to be accepted by Division prior to setting, to be accomplished no later than eighteen months after this permit date.

To comply with these stipulations the following procedure will be undertaken and WDI respectfully requests approval of the plan.

1. Move on and rig up Production Well Logging, and using the lease equipment inject RA tracer into the well to confirm the actual zones taking fluid under present injection rates and conditions. This work will be performed within 10 days of the date of this Sundry. Using the collar locator on the logging tool, confirm the top of the scab liner from 5,500 down to 8,500 feet. Tracer log will be submitted to the state.
2. Based on the results of the survey move on with a workover rig acidize lower perfs. Acid should be calculated at 50 gallons per foot of open perforations or about 20,000 gallons. Pressures should not exceed 2,900 pounds surface pressure by gauge.
3. Pick up bit and scraper and clean out to 9,230' or existing bridge plug and cement top and verify position.
4. Rig up and set wireline set BP at 8,550 to isolate lower hole then perforate 3 shots per foot at 120 degree phasing as follows:

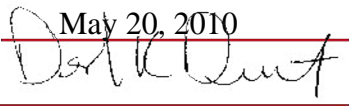
8,470 to 8,438	32 feet	96 shots	New Zone
8,412 to 8,376	36 feet	108 shots	
8,352 to 8,336	16 feet	48 shots	New Zone
8,330 to 8,312	18 feet	54 shots	New Zone
8,240 to 8,222	18 feet	54 shots	
Total	120 feet	360 shots	

5. Trip in hole to between 8,070 - 8,100 feet and set packer, not in a collar, then treat new perforations with 200 gallons of acid per foot or 24,000 gallons HCl at maximum pressure of 2,900 psi surface gauge pressure and the best rate possible with 600 ball sealers for diversion. Swab back acid.
6. Trip out of hole, lay down packer and pick up bit and scraper. Circulate and clean hole to the top of the frac plug at 8,500' and circulate ball sealers off of the plug and drill out plug.
7. Clean out hole to 9500'. Trip out of hole pick up production packer and trip in hole to 8,070 - 8,100' set packer, not in a collar, and prep for MIT. The State of Utah will be informed 24 hours prior to the MIT and the MIT will not be performed until the State has granted authorization to do so. MIT will be held at 1,000 psi surface pressure by gauge for 15 minutes.
8. Place well back on injection.

This should satisfy the conditions of approval issued with the permit.

Respectfully submitted,

Water Disposal Inc.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Water Disposal Well		8. WELL NAME and NUMBER: HARMSTON 1-32A1			
2. NAME OF OPERATOR: WATER DISPOSAL INC.		9. API NUMBER: 43013302240000			
3. ADDRESS OF OPERATOR: 2285 Lucky John Dr , Park City, UT, 84060		9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 32 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/17/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="vertical-align: top; width: 33%;"> <input checked="" type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="vertical-align: top; width: 33%;"> <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
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		Approved by the Utah Division of Oil, Gas and Mining Date: May 20, 2010 By: 			
NAME (PLEASE PRINT) Mike Hebertson		PHONE NUMBER 801 292-3800			
SIGNATURE N/A		TITLE Agent			
		DATE 5/19/2010			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013302240000

Approval for casing repair only (installing tieback liner and cementing). A separate sundry and approval will be required for injection approval. Injection of fluids down the 5" liner is not approved.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: May 20, 2010
By: Dan K. Quist

API #	Well Name	Hole Size	Hole Depth	String Type	Casing Size	Setting Depth	Total Length	Top of Casing	Weight	Grade	Cement Top
4301330224	Harmston 1-32A1	14	2,600	Surface	9 5/8"	2,500	2,500	Surface	36#	K-55	Surface
		9	10,600	Intermediate	7"	10,508	10,508	-17 Feet	26#	S-95	Unknown
		6	13,000	Prod Liner	5"	13,000	2,685	10,315	18#	S-95	10,508
		7	10,508	Scab Liner	5"	8,542	2,931	5,661	18#	N-80	Top of Liner

Comments

7" casing was cutoff during the plugging process of the well and was found to be about 14 feet below the surface. During the conversion process to a disposal well the 7 inch was milled off 3 feet and reset at that depth with 9 5/8 slips then welded to the 9 5/8 casing. Cement was placed to fill the annulus to 100'

5" scab liner was hung in the 7 inch to isolate a hole in the casing at 5900 feet plus or minus then the liner was cemented with a slurry of 175 SX g cement

9 5/8" casing has developed a hole in the casing at the surface about 17 feet down. The new full length liner will be cemented to surface and the annulus between the 9 5/8" and 7" will be allowed to fill back to surface to eliminate the hole. If the cement falls back 30 feet of 1" tubing will be inserted and the annulus will be filled to surface.

**Workover Procedure
Harmston 1-32A1 Salt Water Disposal
Section 32, Township 1 South, Range 1 West USM
API 43-013-30224**

Sundry Notice update and change of plans

During the preliminary stages of the workover on the Harmston 1-23A1 mechanical problems developed that require a change of plans before the well can be put into service and setup according to the requirements of the permit and Division notice.

On Monday May 17th 2010 a routine pressure test of the 7" and 9 5/8 casing failed at 2,200 PSI and water was circulated to surface. Testing later in the day indicated that the casing failure was in the 9 5/8 surface casing at about 17 feet. This hole has actually been there since the well was originally setup for injection in 2001, but has not been a problem as there was no pressure on it.

The injection formation currently has 2,700 psi surface pressure and it is calculated to require 14.7 lb mud to kill the well and perform the work of lowering the tubing to the desired depth. The current configuration of the casing and the 5 inch scab liner is detailed on the sketch included as part of this filing.

Therefore the following reflects the proposal to remediate the casing problems and requests approval for a change in the injection method and procedures for this well.

1. Set a 25 sack plug of G Neat type cement in the 5 inch scab liner at about 7,900' to kill the well and isolate the injection zone from the up hole work that will be undertaken. The plug will be a balanced plug and will be given a minimum of 24 hours of curing time before the tubing packer is released and the next stage of the workover is attempted. In any case the packer and tubing will not be released until the injection zone is not in communication with the surface.
2. Release the tubing packer and POOH. Pick up a 7 inch casing scraper and gauge ring, RIH and clean to the top of the 5 inch scab liner at 5,661'. POOH lay down scraper and gauge ring, pick up 5 inch wash over pipe and tools to dress and clean the top of the 5 inch scab liner.
3. POOH. Pick up 5 inch insertion tool and seal assembly (See the attached diagram) along with 5,661 feet of 5 inch N80 or P110, 18 lb. casing and RIH. Internal yield is 10,140 psi and collapse pressure is 10,490 psi. Sting into the 5 inch and test the seat. Pull out of seat and cement to surface with 50 sacks of class G 15 lb per gallon neat cement. The cement will be allowed to fill in the annulus between the 9 5/8 and the 7 inch. No additives. Sting back into the 5 inch and allow time for the cement to set. Pressure test to 3,000 psi.
4. RIH with work string and circulate 14.7 lb mud to fill the hole and begin to drill out the casing plug at 7,900 feet. BOP's and Rotating Head rated to 3,000 lb will be used while drilling. After

the plugs have been drilled out and the well cleaned out to a TD of 9,100'. The completion will revert to the original plan.

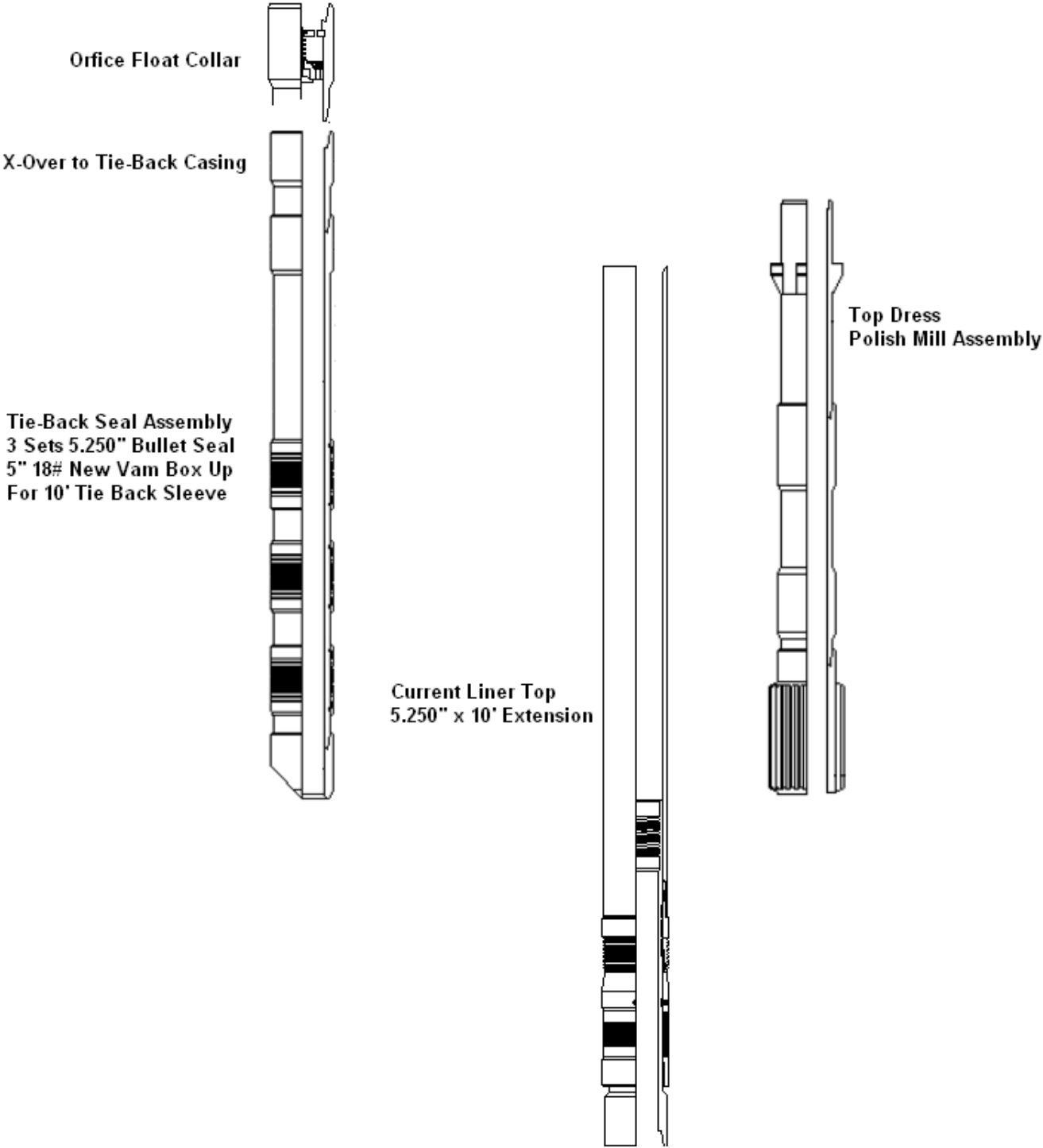
New Request

With the addition of the 5 inch casing cemented to surface WDI requests that the injection continue straight down the casing without tubing and packer assembly. This will help to reduce the injection pressure and increase the injection rate. Two 5 inch full opening 5,000 lb valves will be placed to control the well for future work one as a master valve and one as a working valve.

WDI agrees to conduct an annual tracer survey to verify zone containment of the injected fluids, and will conduct a pressure MIT of the 5 inch casing every 5 years by placing a plug at 8,000' and pressuring the well to 3,000 psi surface pressure.

By the time this is filed the 25 sack plug in the 5" casing will have been set at 7,900 feet.

QUINEX ENERGY
1-32-A1



TIE-BACK Installation

1-32-A1

MIKE HEBERSON

QUINEX ENERGY CORP.

Procedures – 5" 18# TIE-BACK	
Page 1 of 3	Rev. NEW
May 18, 2010	Preparer's Initials: RB

FIELD RUNNING PROCEDURES

Well Information:

Casing: **7", 26#, P110**

Casing Shoe: Estimated @ **8,542'**

Current Liner Top @ **5,661.58**

Drill Pipe:

Liner: **5" 18# N80 FL4S**

Tie-Back Ext: **5.750" OD x 5.250" ID x 10'**

The following procedures are general recommendations, subject to additional detail clarification per specific job requirements and Baker Oil Tools Liner Technician on location at time of installation.

BOT Liner Technician on-site requirements prior to picking up and running Polish Mill Assembly and Tie - Back system:

- Obtain current casing details.
 - Casing weight, grade and depth of shoe.
 - Measured TD
 - Calculated volume per foot between Tie-Back liner and casing.
- Obtain Tie-Back Liner Casing Tally from company man.
 - Run tally and compare with company man required liner casing and drill pipe required.
- Confirm Liner Casing threads, weight and grade.
 - Confirm threads of Float Equipment and Liner Tie-Back.
 - Note Burst and Collapse ratings.
- Confirm Drill Pipe threads, weight and grade.
 - Confirm all x-overs needed are on location.
 - Calculate Drill Pipe volume per foot.
 - Calculate Tensile strength.
 - Calculate stretch per foot.

POLISH & TOP DRESS MILL ASSEMBLY PROCEDURE

In not previous completed - Prior to running Polish/Top Dress Tandem Mills, TIH with 6.125" OD bit to liner top to clear and remove any access cement remaining from cementing liner in. Bit should only tag liner top, DO NOT mill on top of liner.

Note: Tie-Back Process requires current 5" 18# liner to have solid bottom by either plugging of with cement or Bridge Plug to help divert up annulus above current Liner Top to surface.

- 1) Make-up Tandem Polish (5.187" OD) & Top Dress Mill (5.750" OD) assembly for 10" 5.250" ID Extension to joint of drill pipe (**Note connection looking up is 3-1/2" IF, X-Over may be needed to work string**).
- 2) TIH with BHA.
- 3) By tally, lower last stand of drill pipe slowly into well bore, watching for indication of tagging liner top.
- 4) Upon indication of tagging liner top, mark drill pipe and label liner top tag.
- 5) Rig up Kelly circulate and rotate, pick up 12'+ (mark above floor) to confirm fluted polish mill is above liner top.
- 6) Start pumps to break circulation, slowly start rotation of drill pipe.
- 7) Slowly lower drill pipe watching for re-tag of liner top. Note if original tag mark on drill pipe goes below floor, original tag was at liner top, not in sleeve.
- 8) Once tag is achieved, mark drill pipe and pick-up 10'.
- 9) Repeat process until tag mark stays the same.
- 10) **Note, do not set weight on liner top, only slightly tag.**
- 11) Work polish mill up and down several times to clear all debris from inside 5.250" ID extension.
- 12) Once polish mills has been worked up and down 10'+ several times, set down on liner top 8,000# – 10,000# while rotating & circulating to dress off liner top.
- 13) Dress off liner top for about 5 minutes.
- 14) POH with BHA laying down drill pipe..
- 15) Inspect Top Dress Mill for indication of dressing off liner top by indication of ring cut in ramp section of mill.

TIE-BACK SEALS – LINER RUNNING PROCEDURE

- 1) Pickup first joint of **5" 18# (Thread ????)** Tie-Back casing (**Note X-Over will be needed on top of Tie-Back Seals Assembly – current thread looking up is 5" 18# New Vam Box**).
- 2) Make-up 5.250" Seal OD x 10' Tie-Back Seal Assembly to bottom of first joint.
- 3) Slowly lower section below floor keeping centered to protect seals.
- 4) Set slips on upper end of first joint.

- 5) Pick-up second joint of **5" 18# (Thread ????)** and hang in elevators.
- 6) Apply thread lock to pin end of Single Valve/Orifice Float collar and make-up by hand into top of first joint setting in slips.
- 7) Apply thread lock to pin end of second joint hanging in elevators.
- 8) Make-up joints one & two with SV Float collar between. **Note this will give one joint of cement inside tie-back casing to drill out, prevents cement contamination.**
- 9) TIH with remainder of Tie-Back casing at 45+ seconds per joint, stopping to confirm fluid entry every 10 joints.
- 10) By tally, slowly lower last two joints to tag liner top.
- 11) Once liner top is tagged @ neutral, close pipe rams and test annulus to 500 psi to confirm seals are extension (not setting on top).
- 12) Mark casing showing neutral point.
- 13) After confirmation of seal test, set down pre-determined slack-off (30k – 50k), mark casing.
- 14) Install **Cementing companies plug head with 5" 18# TOP PLUG (TOP PLUG TO BE SUPPLIED BY CEMENTING COMPANY)** in place.
- 15) Pick-up casing to expose shoe just above liner top.
- 16) Break circulation.
- 17) Pump calculated cement (volume between tie-back casing to inside 7" 26# from liner top to surface).
- 18) Release TOP PLUG
- 19) Pump calculated tie-back casing volume to bump plug.
- 20) Once plug is bumped against Float Collar, hold pressure.
- 21) Slowly lower casing to re-engage lower seal (weight loss will be noticed).
- 22) **Very slowly decrease pressure while lowering casing to fully engage seals.**
- 23) Once Tie-Back Seal Assembly is located on top of liner, continue bleeding off pressure to zero.
- 24) Slight flow back after reaching zero pressure should be noticed (reverse ballooning from cement/flush fluid weight difference. This should on be a slight flow back and will stop.
- 25) Rig down cementing crew.
- 26) Install casing slips and cut off stub looking up.

OPERATOR <u>Quinex Energy Corp.</u>	Casing		Liner	Tubing
WELL # <u>Hammston 1-32 A1</u>	SIZE	<u>7"</u>	<u>5"</u>	
FIELD <u>Altamont/Bluebell</u>	WEIGHT	<u>26 #</u>	<u>18 #</u>	
COUNTY <u>Duchesne</u>	GRADE	<u>S-95</u>	<u>N-80</u>	
STATE <u>Utah</u>	THREAD		<u>FL45</u>	
DATE _____	DEPTH	<u>10528'</u>	<u>5661'</u> <u>to</u> <u>8543'</u>	
<input type="checkbox"/> NEW COMPLETION <input checked="" type="checkbox"/> WORKOVER				

[illegible]

COMMENTS 5" 1B# Scab liner ran 9-26-01 / cont'd 9-27-01 175 SX

PREPARED BY <i>Russ Markus</i>	OFFICE	PHONE
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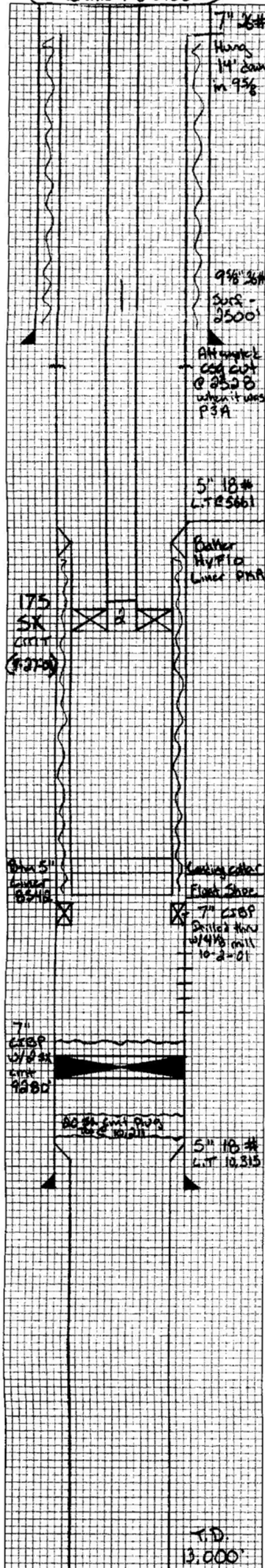
**NABORS
WELL SERVICE CO.
SOUTHERN ROCKIES**

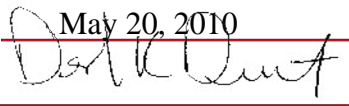
2240 West Highway 40
P.O. Box 1515
Roosevelt, Utah 84066

Office: 435-722-3451

Fax: 435-722-9181

RECEIVED May 19, 2010



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Water Disposal Well		8. WELL NAME and NUMBER: HARMSTON 1-32A1			
2. NAME OF OPERATOR: WATER DISPOSAL INC.		9. API NUMBER: 43013302240000			
3. ADDRESS OF OPERATOR: 2285 Lucky John Dr , Park City, UT, 84060		9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 32 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: DUCHESNE			
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NAME (PLEASE PRINT) Mike Hebertson		PHONE NUMBER 801 292-3800			
SIGNATURE N/A		TITLE Agent			
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Electronic Permitting System - Sundry Notices

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2. Release the tubing packer and POOH. Pick up a 7 inch casing scraper and gauge ring, RIH and clean to the top of the 5 inch scab liner at 5,661'. POOH lay down scraper and gauge ring, pick up 5 inch wash over pipe and tools to dress and clean the top of the 5 inch scab liner.
3. POOH. Pick up 5 inch insertion tool and seal assembly (See the attached diagram) along with 5,661 feet of 5 inch N80 or P110, 18 lb. casing and RIH. Internal yield is 10,140 psi and collapse pressure is 10,490 psi. Sting into the 5 inch and test the seat. Pull out of seat and cement to surface with 50 sacks of class G 15 lb per gallon neat cement. The cement will be allowed to fill in the annulus between the 9 5/8 and the 7 inch. No additives. Sting back into the 5 inch and allow time for the cement to set. Pressure test to 3,000 psi.
4. RIH with work string and circulate 14.7 lb mud to fill the hole and begin to drill out the casing plug at 7,900 feet. BOP's and Rotating Head rated to 3,000 lb will be used while drilling. After

the plugs have been drilled out and the well cleaned out to a TD of 9,100'. The completion will revert to the original plan.

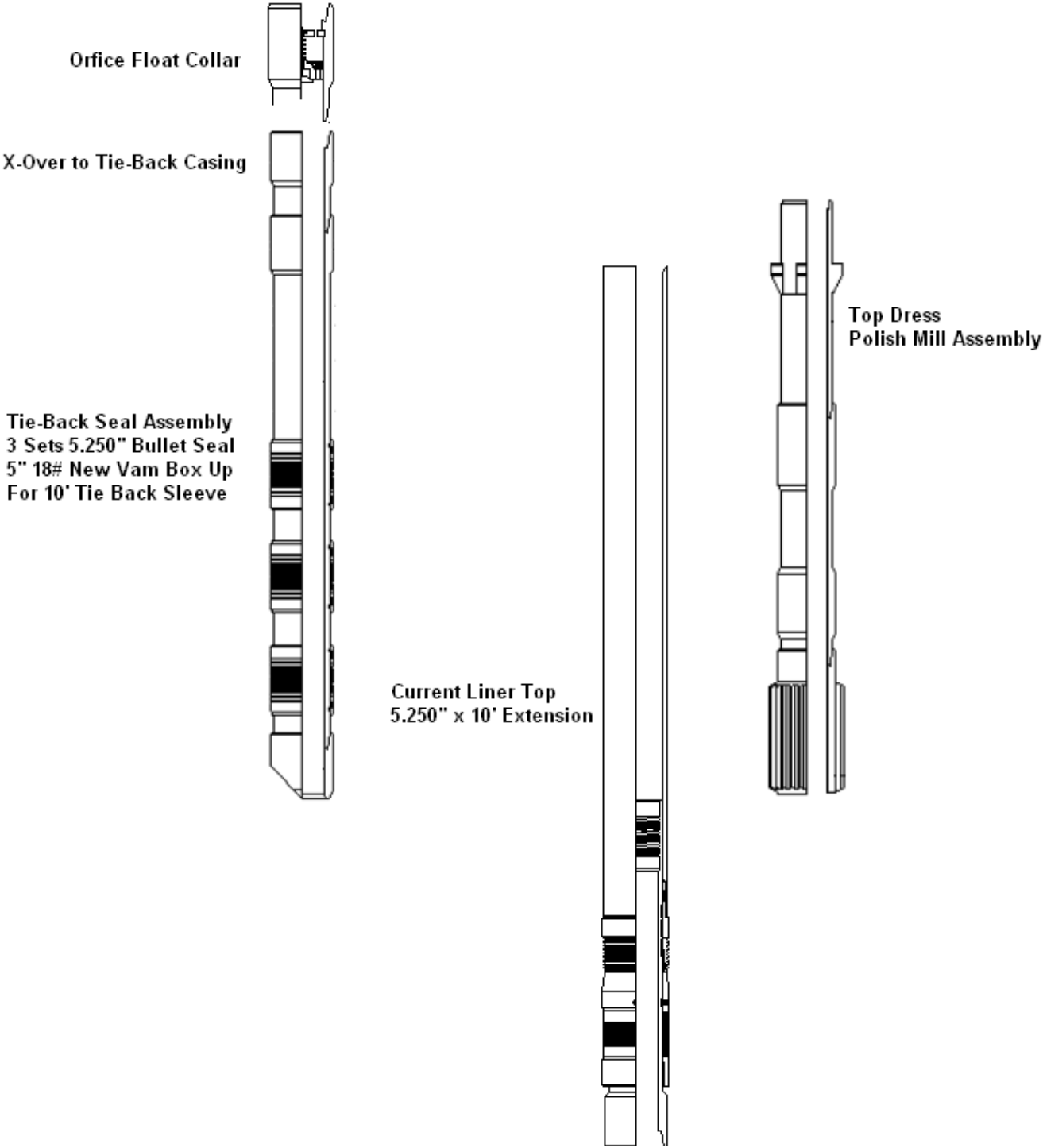
New Request

With the addition of the 5 inch casing cemented to surface WDI requests that the injection continue straight down the casing without tubing and packer assembly. This will help to reduce the injection pressure and increase the injection rate. Two 5 inch full opening 5,000 lb valves will be placed to control the well for future work one as a master valve and one as a working valve.

WDI agrees to conduct an annual tracer survey to verify zone containment of the injected fluids, and will conduct a pressure MIT of the 5 inch casing every 5 years by placing a plug at 8,000' and pressuring the well to 3,000 psi surface pressure.

By the time this is filed the 25 sack plug in the 5" casing will have been set at 7,900 feet.

QUINEX ENERGY
1-32-A1



TIE-BACK Installation

1-32-A1

MIKE HEBERSON
QUINEX ENERGY CORP.

Procedures – 5" 18# TIE-BACK	
Page 1 of 3	Rev. NEW
May 18, 2010	Preparer's Initials: RB

FIELD RUNNING PROCEDURES

Well Information:

Casing: **7", 26#, P110**

Casing Shoe: Estimated @ **8,542'**

Current Liner Top @ **5,661.58**

Drill Pipe:

Liner: **5" 18# N80 FL4S**

Tie-Back Ext: **5.750" OD x 5.250" ID x 10'**

The following procedures are general recommendations, subject to additional detail clarification per specific job requirements and Baker Oil Tools Liner Technician on location at time of installation.

BOT Liner Technician on-site requirements prior to picking up and running Polish Mill Assembly and Tie - Back system:

- Obtain current casing details.
 - Casing weight, grade and depth of shoe.
 - Measured TD
 - Calculated volume per foot between Tie-Back liner and casing.
- Obtain Tie-Back Liner Casing Tally from company man.
 - Run tally and compare with company man required liner casing and drill pipe required.
- Confirm Liner Casing threads, weight and grade.
 - Confirm threads of Float Equipment and Liner Tie-Back.
 - Note Burst and Collapse ratings.
- Confirm Drill Pipe threads, weight and grade.
 - Confirm all x-overs needed are on location.
 - Calculate Drill Pipe volume per foot.
 - Calculate Tensile strength.
 - Calculate stretch per foot.

POLISH & TOP DRESS MILL ASSEMBLY PROCEDURE

In not previous completed - Prior to running Polish/Top Dress Tandem Mills, TIH with 6.125" OD bit to liner top to clear and remove any access cement remaining from cementing liner in. Bit should only tag liner top, DO NOT mill on top of liner.

Note: Tie-Back Process requires current 5" 18# liner to have solid bottom by either plugging of with cement or Bridge Plug to help divert up annulus above current Liner Top to surface.

- 1) Make-up Tandem Polish (5.187" OD) & Top Dress Mill (5.750" OD) assembly for 10" 5.250" ID Extension to joint of drill pipe (**Note connection looking up is 3-1/2" IF, X-Over may be needed to work string**).
- 2) TIH with BHA.
- 3) By tally, lower last stand of drill pipe slowly into well bore, watching for indication of tagging liner top.
- 4) Upon indication of tagging liner top, mark drill pipe and label liner top tag.
- 5) Rig up Kelly circulate and rotate, pick up 12'+ (mark above floor) to confirm fluted polish mill is above liner top.
- 6) Start pumps to break circulation, slowly start rotation of drill pipe.
- 7) Slowly lower drill pipe watching for re-tag of liner top. Note if original tag mark on drill pipe goes below floor, original tag was at liner top, not in sleeve.
- 8) Once tag is achieved, mark drill pipe and pick-up 10'.
- 9) Repeat process until tag mark stays the same.
- 10) **Note, do not set weight on liner top, only slightly tag.**
- 11) Work polish mill up and down several times to clear all debris from inside 5.250" ID extension.
- 12) Once polish mills has been worked up and down 10'+ several times, set down on liner top 8,000# – 10,000# while rotating & circulating to dress off liner top.
- 13) Dress off liner top for about 5 minutes.
- 14) POH with BHA laying down drill pipe..
- 15) Inspect Top Dress Mill for indication of dressing off liner top by indication of ring cut in ramp section of mill.

TIE-BACK SEALS – LINER RUNNING PROCEDURE

- 1) Pickup first joint of **5" 18# (Thread ????) Tie-Back casing (Note X-Over will be needed on top of Tie-Back Seals Assembly – current thread looking up is 5" 18# New Vam Box)**.
- 2) Make-up 5.250" Seal OD x 10' Tie-Back Seal Assembly to bottom of first joint.
- 3) Slowly lower section below floor keeping centered to protect seals.
- 4) Set slips on upper end of first joint.

- 5) Pick-up second joint of **5" 18# (Thread ????)** and hang in elevators.
- 6) Apply thread lock to pin end of Single Valve/Orifice Float collar and make-up by hand into top of first joint setting in slips.
- 7) Apply thread lock to pin end of second joint hanging in elevators.
- 8) Make-up joints one & two with SV Float collar between. **Note this will give one joint of cement inside tie-back casing to drill out, prevents cement contamination.**
- 9) TIH with remainder of Tie-Back casing at 45+ seconds per joint, stopping to confirm fluid entry every 10 joints.
- 10) By tally, slowly lower last two joints to tag liner top.
- 11) Once liner top is tagged @ neutral, close pipe rams and test annulus to 500 psi to confirm seals are extension (not setting on top).
- 12) Mark casing showing neutral point.
- 13) After confirmation of seal test, set down pre-determined slack-off (30k – 50k), mark casing.
- 14) Install **Cementing companies plug head with 5" 18# TOP PLUG (TOP PLUG TO BE SUPPLIED BY CEMENTING COMPANY)** in place.
- 15) Pick-up casing to expose shoe just above liner top.
- 16) Break circulation.
- 17) Pump calculated cement (volume between tie-back casing to inside 7" 26# from liner top to surface).
- 18) Release TOP PLUG
- 19) Pump calculated tie-back casing volume to bump plug.
- 20) Once plug is bumped against Float Collar, hold pressure.
- 21) Slowly lower casing to re-engage lower seal (weight loss will be noticed).
- 22) **Very slowly decrease pressure while lowering casing to fully engage seals.**
- 23) Once Tie-Back Seal Assembly is located on top of liner, continue bleeding off pressure to zero.
- 24) Slight flow back after reaching zero pressure should be noticed (reverse ballooning from cement/flush fluid weight difference. This should on be a slight flow back and will stop.
- 25) Rig down cementing crew.
- 26) Install casing slips and cut off stub looking up.

OPERATOR <u>Quinex Energy Corp.</u>	Casing		Liner	Tubing
WELL # <u>Hammston 1-32 A1</u>	SIZE	<u>7"</u>	<u>5"</u>	
FIELD <u>Altamont/Bluebell</u>	WEIGHT	<u>26 #</u>	<u>18 #</u>	
COUNTY <u>Duchesne</u>	GRADE	<u>S-95</u>	<u>N-80</u>	
STATE <u>Utah</u>	THREAD		<u>FL45</u>	
DATE _____	DEPTH	<u>10528'</u>	<u>5661'</u> <u>to</u> <u>8543'</u>	
<input type="checkbox"/> NEW COMPLETION <input checked="" type="checkbox"/> WORKOVER				

[illegible]

COMMENTS	5" 1B# Scab liner ran 9-26-01 / ended 9-27-01 175 SX
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PREPARED BY <i>Russ Markus</i>	OFFICE	PHONE
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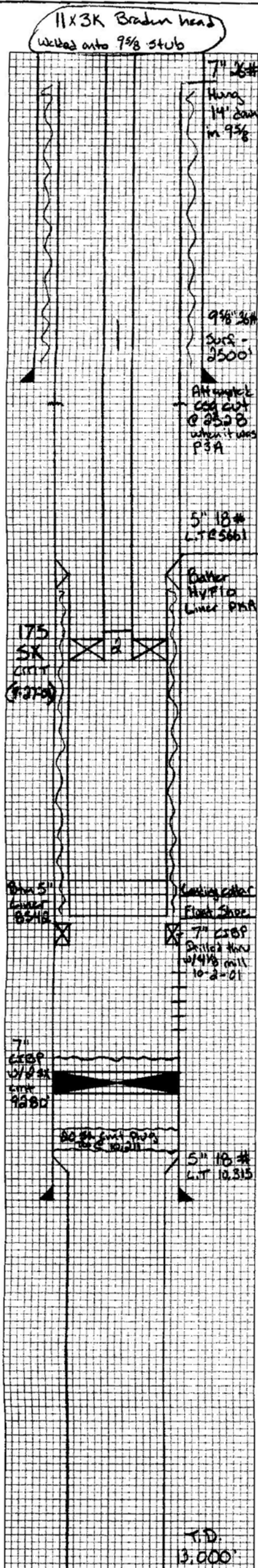
**NABORS
WELL SERVICE CO.
SOUTHERN ROCKIES**

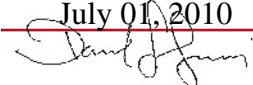
2240 West Highway 40
P.O. Box 1515
Roosevelt, Utah 84066

Office: 435-722-3451

Fax: 435-722-9181

RECEIVED May 19, 2010



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Water Disposal Well		8. WELL NAME and NUMBER: HARMSTON 1-32A1			
2. NAME OF OPERATOR: WATER DISPOSAL INC.		9. API NUMBER: 43013302240000			
3. ADDRESS OF OPERATOR: 2285 Lucky John Dr , Park City, UT, 84060		9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 32 Township: 01.0S Range: 01.0W Meridian: U		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/30/2010 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: injection request </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: injection request
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The attached is a request to inject down the new 5 inch casing that has been installed and cemented to surface. See the attached					
Approved by the Utah Division of Oil, Gas and Mining Date: <u>July 01, 2010</u> By: <u></u>					
NAME (PLEASE PRINT) Mike Hebertson		PHONE NUMBER 801 292-3800			
SIGNATURE N/A		TITLE Agent			
		DATE 6/30/2010			



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

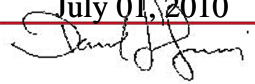
Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013302240000

A cement bond log will be run and submitted to the Division prior to injection.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: July 01, 2010

By: 

Harmston 1-32A1 Salt Water Disposal
Section 32, Township 1 South, Range 1 West USM
API 43-013-30224

The workover of the Harmston well has reached a point that decisions need to be made about the method of injection. It is therefore necessary to present the facts as they are currently understood by the operator.

On April 6 2010 a tracer survey that was requested by the State of Utah was run. Said survey showed that all of the injected fluids were not only entering the open approved injection zone, but that those fluids were staying in the injection zone.

In an attempt to lower the tubing to the depth required by the State of Utah multiple problems were encountered that ultimately required the addition of a 5 inch liner from the top of the scab liner at 5,661' to surface. The additional liner was cemented in place and cement was circulated to surface with 9 BBLS excess.

The well now has 7 inch 26# S95 casing from surface to 10,508' cemented with 700 sx 50/50 pos that shows cement bond of as much as 90% at 3,400' and 100% bond just above 3,700'. The 7 inch casing was cut at 2,550' and an attempt to recover it was made. WDI has discovered that there is about a 1 foot gap at this point that has allowed formation to slough into the wellbore. This was the main cause of the problems that were encountered when the attempt to lower the tubing was made.

To remedy the casing problems at 2,550' the following has been done. In 2001 a scab liner of N80 5 inch was added to the well and cemented in place. This was done to seal squeeze perforations that had been made on a previous attempt to cement the hole for injection requirements. The well would not take the cement squeeze, however it also would not seal off the squeeze holes.

The scab liner was set from 5,661 to 8,542 and was cemented in place. WDI has now added 5,561' of 5 inch P110 from the top of the scab liner to the surface and that has been cemented in place with 220 sx of 15.5 lb. "G" cement at the bottom and 100 sx 12.4 lb. light at the top. Nine BBLS of excess cement was circulated to the surface before the plug was bumped. The new casing is connected to the scab liner and cemented in place to surface the connection and the casing has been tested to 3,000 psi, that being the capacity of the rig pumping equipment. Pressure was held for 10 minutes with no drop in pressure. With the 5 inch casing in place injection down the casing will reduce the injection pressure by a minimum of 180 psi.

As currently configured the well now has 7 inch casing cemented in place from 10,508' to the bottom of the surface casing at 2,550'. With the exception of a gap of about 1 foot in the 7 inch casing at 2,550' there are now two casing strings and two cement sheaths between the approved injection zone and the surface. (See the attached diagram.) The original bond log of the 7 inch that was run in 1973 shows that there was 100% bond through the injection zone, however the bond log run in 1985 shows only partial and probably channeled bonding.

A 5 inch casing string of P110 and N80 from 8,542 to surface cemented to surface. The N80 portion of the 5 inch was bond logged in 2001 and showed good bond and was a portion of the basis upon which the injection zone was approved. The new section of the 5 inch casing will have a bond log run from about 8,200 to surface. This log along with comments from the engineer will be submitted for your records and review.

RECEIVED June 30, 2010

WDI is therefore submitting this formal request to inject down the 5 inch casing following the procedures outlined below:

1. Two 7 inch full opening 5,000 lb valves will be used as the wellhead control equipment. One as a working valve and one as a master valve. These valves will allow packers and tools to be run in the hole to control testing and future work.
2. The well will be tested on an annual basis with an injection tracer survey to assure that the injectate is staying in zone and that the casing has not failed.
3. Every 3 years the well will be shut down and a Mechanical Integrity Test will be run to the pressure required by DOGM to certify casing integrity is still within working specifications and will hold the pressure required to inject fluids.

This request is made as an economic and practical application to reduce the horsepower requirements, reduce equipment stress required, and to inject fluids into the zone at or below the pressure limitations set forth in the permit.

The attached chart shows the pressure requirements to inject down 5 inch casing verses 2 7/8 inch tubing. At 2 BBLS per minute the differential is 180 lbs. and the difference climbs exponentially from there. See the attached.

Harmston 1-32A1
Sec. 32, T1S, R1W
Duchesne County
43-013-30224

5" liner run 2010 cemented to surface

7" casing set to 10,508' cemented back to surface casing shoe originally, now cemented to surface.

9 5/8 casing cemented to surface TD 2,500'



7 inch casing cut at 2,550' ~1 foot gap at this point
During cementing of the 5 inch this spot was calculated to have taken 80 sacks of cement.

5" Scab liner set & cemented in 2010
bottom @ 8,542' top @ 5,661'

Squeeze holes at 7,780 & 7,020

Approved injection zone
8,200 to 9,060

Liner top @10,508

5" liner to 13,000'

RECEIVED June 30, 2010

API #	Well Name	Hole Size	Hole Depth	String Type	Casing Size	Setting Depth	Total Length	Top of Casing	Weight	Grade	Cement Top
4301330224	Harmston 1-32A1	14	2,600	Surface	9 5/8"	2,500	2,500	Surface	36#	K-55	Surface
		9	10,600	Intermediate	7"	10,508	10,508	-17 Feet	26#	S-95	above 3,500'
		6	13,000	Prod Liner	5"	13,000	2,685	10,315	18#	S-95	10,508
		7	10,508	Scab Liner	5"	8,542	2,931	5,661	18#	N-80	Top of Liner

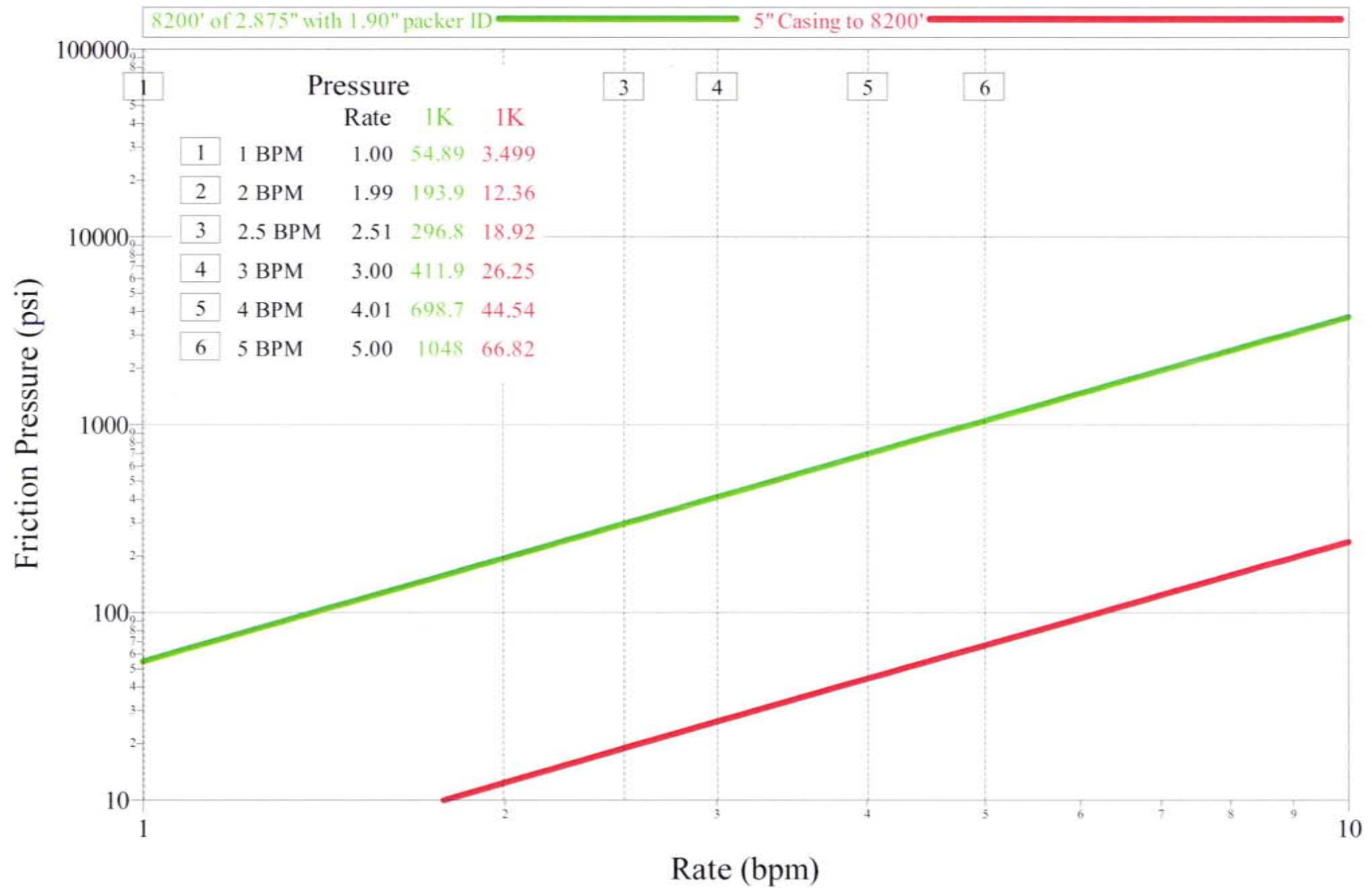
Comments

7" casing was cutoff during the plugging process of the well and was found to be about 14 feet below the surface. During the conversion process to a disposal well the 7 inch was milled off 3 feet and reset at that depth with 9 5/8 slips then welded to the 9 5/8 casing. Cement was placed to fill the annulus to 100'

5" scab liner was hung in the 7 inch to isolate a hole in the casing at 5661 feet plus or minus then the liner was cemented with a slurry of 175 SX g cement

9 5/8" casing has developed a hole in the casing at the surface about 17 feet down this has been fixed. The new full length liner will be cemented to surface.

Friction Pressure



StimWin v4.8.2
22-Jun-10 11:29

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>7/19/10</u>	Well Owner/Operator: <u>Quinex Energy Corp.</u>
Disposal Well: <u>X</u>	Enhanced Recovery Well: _____ Other: _____
API No.: <u>43-013-30224</u>	Well Name/Number: <u>Hermiston 1-32A1</u>
Section: <u>32</u>	Township: <u>15</u> Range: <u>1W</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi

Casing/Tubing Annulus - Pressure: 2000 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>3000</u>	<u>935/W</u>
5	<u>3000</u>	
10	<u>3000</u>	
15	<u>3000</u>	
20	<u>3000</u>	
25	<u>3000</u>	
30	<u>3000</u>	

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 11 psi

Casing/Tubing Annulus Pressure: 2000 psi

REMARKS:

Plug 80381
No tubing in well - casing test

Doug Betts
Operator Representative

David W. Hadford
DOGM Witness

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Water Disposal Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WATER DISPOSAL INC.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 2285 Lucky John Dr , Park City, UT, 84060		8. WELL NAME and NUMBER: HARMSTON 1-32A1
PHONE NUMBER: 435 649-2382 Ext		9. API NUMBER: 43013302240000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 32 Township: 01.0S Range: 01.0W Meridian: U		9. FIELD and POOL or WILDCAT: BLUEBELL
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
OTHER: <input style="width: 100px;" type="text"/>		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 09, 2010

NAME (PLEASE PRINT) Mike Hebertson	PHONE NUMBER 801 292-3800	TITLE Agent
SIGNATURE N/A		DATE 7/15/2010

Harmston 1-32A1 Salt Water Disposal
Section 32, Township 1 South, Range 1 West USM
API 43-013-30224

The workover of the Harmston well has reached a point that decisions need to be made about the method of injection. It is therefore necessary to present the facts as they are currently understood by the operator.

On April 6 2010 a tracer survey that was requested by the State of Utah was run. Said survey showed that all of the injected fluids were not only entering the open approved injection zone, but that those fluids were staying in the injection zone.

In an attempt to lower the tubing to the depth required by the State of Utah multiple problems were encountered that ultimately required the addition of a 5 inch liner from the top of the scab liner at 5,661' to surface. The additional liner was cemented in place and cement was circulated to surface with 9 BBLS excess.

The well now has 7 inch 26# S95 casing from surface to 10,508' cemented with 700 sx 50/50 pos that shows cement bond of as much as 90% at 3,400' and 100% bond just above 3,700'. The 7 inch casing was cut at 2,550' and an attempt to recover it was made. WDI has discovered that there is about a 1 foot gap at this point that has allowed formation to slough into the wellbore. This was the main cause of the problems that were encountered when the attempt to lower the tubing was made.

To remedy the casing problems at 2,550' the following has been done. In 2001 a scab liner of N80 5 inch was added to the well and cemented in place. This was done to seal squeeze perforations that had been made on a previous attempt to cement the hole for injection requirements. The well would not take the cement squeeze, however it also would not seal off the squeeze holes.

The scab liner was set from 5,661 to 8,542 and was cemented in place. WDI has now added 5,561' of 5 inch P110 from the top of the scab liner to the surface and that has been cemented in place with 220 sx of 15.5 lb. "G" cement at the bottom and 100 sx 12.4 lb. light at the top. Nine BBLS of excess cement was circulated to the surface before the plug was bumped. The new casing is connected to the scab liner and cemented in place to surface the connection and the casing has been tested to 3,000 psi, that being the capacity of the rig pumping equipment. Pressure was held for 10 minutes with no drop in pressure. With the 5 inch casing in place injection down the casing will reduce the injection pressure by a minimum of 180 psi.

As currently configured the well now has 7 inch casing cemented in place from 10,508' to the bottom of the surface casing at 2,550'. With the exception of a gap of about 1 foot in the 7 inch casing at 2,550' there are now two casing strings and two cement sheaths between the approved injection zone and the surface. (See the attached diagram.) The original bond log of the 7 inch that was run in 1973 shows that there was 100% bond through the injection zone, however the bond log run in 1985 shows only partial and probably channeled bonding.

A 5 inch casing string of P110 and N80 from 8,542 to surface cemented to surface. The N80 portion of the 5 inch was bond logged in 2001 and showed good bond and was a portion of the basis upon which the injection zone was approved. The new section of the 5 inch casing will have a bond log run from about 8,200 to surface. This log along with comments from the engineer will be submitted for your records and review.

RECEIVED July 15, 2010

WDI is therefore submitting this formal request to inject down the 5 inch casing following the procedures outlined below:

1. Two 7 inch full opening 5,000 lb valves will be used as the wellhead control equipment. One as a working valve and one as a master valve. These valves will allow packers and tools to be run in the hole to control testing and future work.
2. The well will be tested on an annual basis with an injection tracer survey to assure that the injectate is staying in zone and that the casing has not failed.
3. Every 3 years the well will be shut down and a Mechanical Integrity Test will be run to the pressure required by DOGM to certify casing integrity is still within working specifications and will hold the pressure required to inject fluids.

This request is made as an economic and practical application to reduce the horsepower requirements, reduce equipment stress required, and to inject fluids into the zone at or below the pressure limitations set forth in the permit.

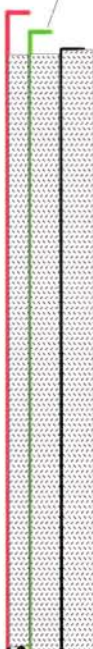
The attached chart shows the pressure requirements to inject down 5 inch casing verses 2 7/8 inch tubing. At 2 BBLS per minute the differential is 180 lbs. and the difference climbs exponentially from there. See the attached.

Harmston 1-32A1
Sec. 32, T1S, R1W
Duchesne County
43-013-30224

5" liner run 2010 cemented to surface

7" casing set to 10,508' cemented back to surface casing shoe originally. now cemented to surface.

9 5/8 casing cemented to surface TD 2,500'



7 inch casing cut at 2,550' ~1 foot gap at this point. During cementing of the 5 inch this spot was calculated to have taken 80 sacks of cement.

5" Scab liner set & cemented in 2010
bottom @ 8,542' top @ 5,661'

Squeeze holes at 7,780 & 7,020

Approved injection zone
8,200 to 9,060

Liner top @10,508

5" liner to 13,000'

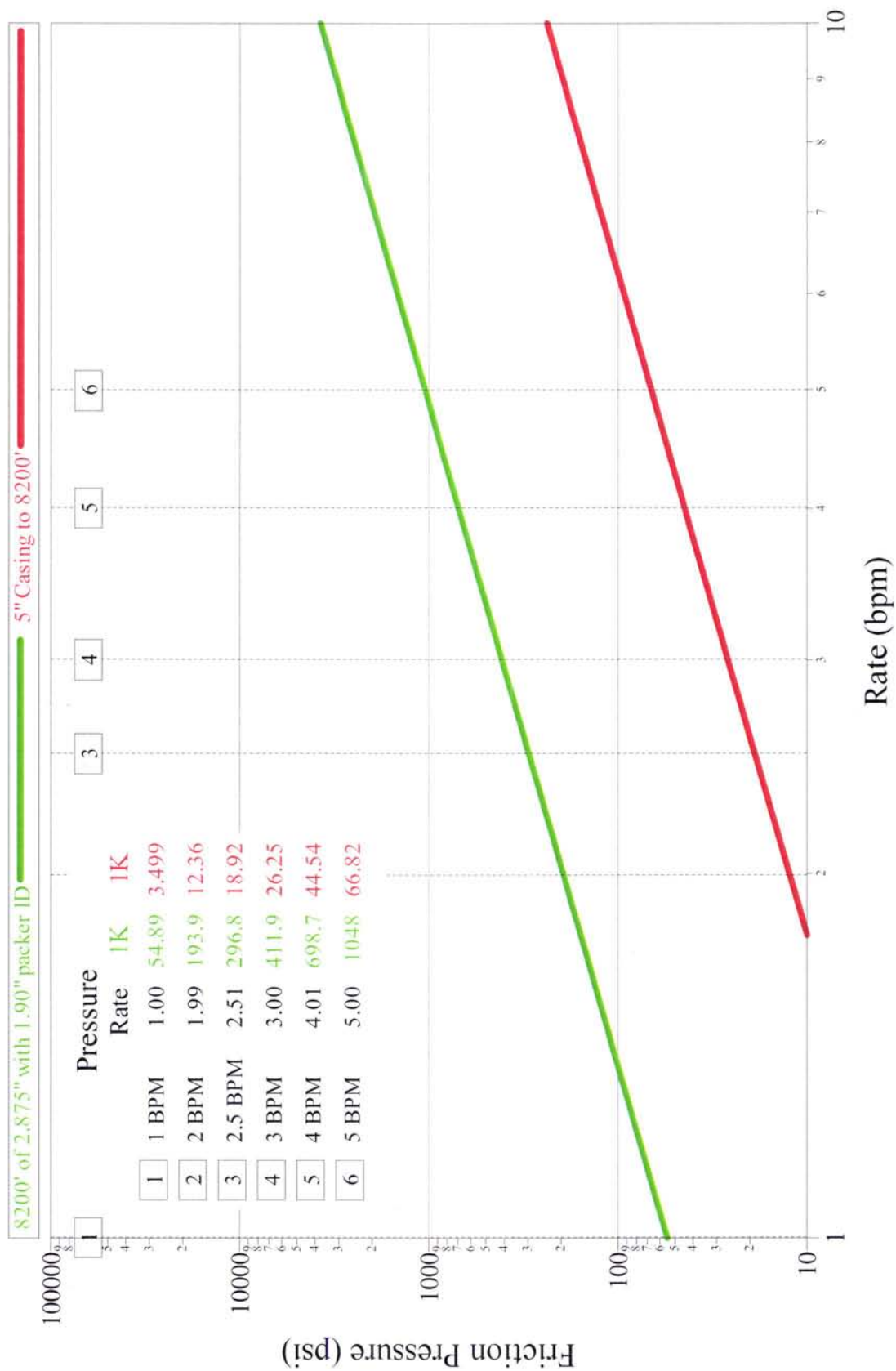
RECEIVED July 15, 2010

API #	Well Name	Hole Size	Hole Depth	String Type	Casing Size	Setting Depth	Total Length	Top of Casing	Weight	Grade	Cement Top
4301330224	Harmston 1-32A1	14	2,600	Surface	9 5/8"	2,500	2,500	Surface	36#	K-55	Surface
		9	10,600	Intermediate	7"	10,508	10,508	-17 Feet	26#	S-95	above 3,500'
		6	13,000	Prod Liner	5"	13,000	2,685	10,315	18#	S-95	10,508
		7	10,508	Scab Liner	5"	8,542	2,931	5,661	18#	N-80	Top of Liner

Comments

7" casing was cutoff during the plugging process of the well and was found to be about 14 feet below the surface. During the conversion process to a disposal well the 7 inch was milled off 3 feet and reset at that depth with 9 5/8 slips then welded to the 9 5/8 casing. Cement was placed to fill the annulus to 100' 5" scab liner was hung in the 7 inch to isolate a hole in the casing at 5661 feet plus or minus then the liner was cemented with a slurry of 175 SX g cement 9 5/8" casing has developed a hole in the casing at the surface about 17 feet down this has been fixed. The new full length liner will be cemented to surface.

Friction Pressure



StimWin v4.8.2
22-Jun-10 11:29

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Water Disposal Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: WATER DISPOSAL INC.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 2285 Lucky John Dr , Park City, UT, 84060		8. WELL NAME and NUMBER: HARMSTON 1-32A1
PHONE NUMBER: 435 649-2382 Ext		9. API NUMBER: 43013302240000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2215 FSL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 32 Township: 01.0S Range: 01.0W Meridian: U		9. FIELD and POOL or WILDCAT: BLUEBELL
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Injection Request
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/20/2010			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The attached is the daily workover and rig report condensed from the actual daily rig reports. WDI respectfully requests final approval for Injection down the new 5" casing. See the attached.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: September 09, 2010

By:

NAME (PLEASE PRINT) Mike Hebertson	PHONE NUMBER 801 292-3800	TITLE Agent
SIGNATURE N/A	DATE 9/2/2010	

5/28/2010- L/D 1 JT 2 7/8 TBG, R/D POWERSWIVEL. POOH L/D 9 JTS 2 7/8 EUE TBG, X-O 2 7/8 EUE 8RD X 2 3/8 EUE 8RD, X-O 2 3/8 EUE 8RD X 1.9 10RD, TOO H W/ 101 JTS 1.9 TBG, FLAT BOTTOM MILL. TIH W/ TAPERED MILL, 101 JTS 1.9 TBG, X-O, X-O, 9 JTS 2 7/8 TBG, R/U POWERSWIVEL. BREAK CONV. CIRC., RIH DRILL ON SOMETHING INSIDE 2 7/8 TBG @ 3642, NOT MAKING ANY HOLE, PUH AND CIRC. CLEAN. L/D 1 JT 2 7/8 EUE TBG, R/D POWERSWIVEL, TOO H 9 JTS 2 7/8 TBG, X-O, X-O, 101 JTS 1.9 10RD TBG, MILL. TRYING TO FIND X-O TO RUN MILL, GETTING ONE MADE. SWIFN.

5/29/2010- WAIT ON ORDERS AND DECIDE TO POOH W/ TOOLS AND INSPECT. RIH W/ TOP HALF OF ON/OFF TOOL LATCH UP TBG AND RELEASE 4 11/16" OVERSHOT. POOH W/ TBG AND ON/OFF TOOL LOOK AT GRAPPLE. CHANGE OUT X-O SUB IN BHA AND INSPECT GRAPPLE LOOKS GOOD RIH BACK TO FISH TOP @ 3644' LATCH UP FISH AND GET OFF THE ON/OFF TOOL. POOH W/ TBG AND X-O TO 1.9" TBG MU 3 BLADED 2 3/16" MILL AND RIH TO FISH TOP AND RU CIRC EQUIP CIRC TBG VOLUME. CONT TO RIH W/ 2 3/16" MILL AND CLEAN TBG OUT TO 5570' GET TO BOTTOM AND CIRC WELL WITH 115 BBLs PRO H2O.

5/30/2010- RIH W/ 17 JTS TBG AND RU CIRC. EQUIP BEGIN TO CIRC WELL. CIRC WELL 2X'S VOLUME UNTIL RETURNS CLEAN. RD CIRC EQUIP AND POOH W/ TBG, MU ON/OFF TOOL ASSEMB. AND RIH AND LATCH UP TBG SPACE OUT RU WIRELINE TRK. RU SINGLE SHOT WIRELINE AND MAKE 4 CUTS W/ 2" CHEMICAL CUTTER 1ST ONE @ 5239' 2ND ONE @ 4843' 3RD ONE @ 4447' 4TH ONE @ 4147' RD WIRELINE TRK. CIRC DOWN TBG UP CSG TO SEE IF IT HELPS FREE TBG. NO LUCK. WAIT ONN FREE POINT TOOLS FROM VERNAL TO SHOW UP, PU FREE POINTING TOOLS AND RIH AND CHECK FREE POINT @ 3799' -20% FREE, 3904' -55% FREE, 4004' - 0%FREE, 3853' -80%FREE, POOH W/ FREE POINT TOOLS. MU 2" CUTTER AND RIH TO 3840' AND MAKE 5TH AND FINAL CUT RD SINGLE SHOT WIRELINE.

6/01/2010- TIH W/ 2 7/8 NOTCH COLLAR, 111 JTS 2 7/8 TBG, TAG FILL 5' IN ON JT # 112 @ 3655, POOH W/ 1 JT 2 7/8 TBG. R/U POWERSWIVEL ON JT #112, BREAK REV. CIRC. CLEAN OUT FILL W/ 7 JTS 2 7/8 EUE TBG TO 3870', CIRC. CLEAN. (WIRELINE CUT @ 3840', TBG MEASUREMENT 3870). R/D POWERSWIVEL, POOH W/ 2 JTS 2 7/8 TBG, TOO H W/ 116 JTS 2 7/8 TBG, 2 7/8 NOTCH COLLAR. P/U RIH W/ 4 5/8 O.D OVERSHOT W/ 2 7/8 GRAPPLE, X-O 3 1/2 FH BOX X 2 7/8 IF PIN, 4 3/4 BUMPER SUB, 4 3/4 JARS, X-O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X-O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X-O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 72 JTS 2 7/8 EUE TBG. TAG AND TRY TO ENTER BAD SPOT IN CSG. @ 2550'. NO LUCK. TOO H W/ 72 JTS 2 7/8 TBG, BHA, CHANGE OUT FLAT BOTTOM GUIDE TO CUT LIP GUIDE. TIH W/ 4 5/8 O.D OVERSHOT, X-O 3 1/2 FH X 2 7/8 IF, 4 3/4 BUMPER SUB, 4 3/4 JAR, X-O 3 1/2 IF X 3 1/2 FH, 2 - 4 3/4 D.C, X-O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X-O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 EUE PUP JT, 66 JTS 2 7/8 TBG. SWIFN EOT @ 2284.

6/02/2010- TIH W/ 10 JTS 2 7/8 TBG, TRY TO ENTER BAD SPOT IN CSG @ 2528, NO LUCK. TOO H W/ 76 JTS 2 7/8 TBG, BHA. TIH W/ 3 11/16 MULE SHOE, X-O 2 7/8 EUE X 2 3/8 REG, 6 JTS 2 7/8 EUE TBG, 2 7/8 SOLID PLUG, 6" TAPPERED SWEDGE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X-O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X-O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X-O 2 7/8 EUE X 3 1/2 FH,

10' 2 7/8 PUP JT, 3 5/8 DRAIN SUB, 72 JTS 2 7/8 TBG. ENTER TIGHT SPOT @ 2550' W/ SWEDGE W/ 2 HITS, CONT. TIH W/ 8 JTS 2 7/8 TBG OPEN 2ND TIGHT SPOT @ 2736, CONT. TIH W/ 23 JTS 2 7/8 TAGGING FILL @ 3705 W/ EOT, CSG SWEDGE @ 3505. TOO H W/ 103 JTS 2 7/8 TBG, BHA REMOVING DRAIN SUB AND SOLID PLUG. TIH W/ MULE SHOE, X -O, 6 JTS 2 7/8 TBG, 6" SWEDGE, B.S, JARS, X -O, 4 - 4 3/4 D.C, X -O, INTENSIFIER, X -O, 10' 2 7/8 PUP JT, 70 JTS 2 7/8 TBG. SWIFN EOT @ 2476. SPOT IN FLAT TAND W/ SHAKER, R/U HARD LINE.

6/03/2010- CONT. TIH W/ 36 JTS 2 7/8 TBG RE -ENTERING TIGHT SPOT IN CSG @ 2550, RIH AND TAGGING FILL @ 3724. R/U POWER SWIVEL. BREAK CONV. CIRC. W/ 9.5 # MUD, CLEAN OUT FILL W/ 5 JTS 2 7/8 TBG 15' IN ON JT # 113 TO FISH TOP @ 3870, CIRC. CLEAN. SWIVEL OUT 3 JTS 2 7/8 TBG, R/D PWRSWVL. TOO H W/ 104 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, BHA. TIH W/ 4 11/16 OVER SHOT, X -O 2 7/8 EUE X 2 7/8 REG, 2 JTS 2 7/8 TBG, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 108 JTS 2 7/8 TBG TAG FILL @ 3800' R/U PWRSWVL ON JT # 109. BREAK REV. CIRC. W/ 9.5 # MUD, C/O FILL TO FISH TOP W/ 3 JTS 2 7/8 TBG, TAG FISH TOP 20' IN ON JT 111, TRY TO WORK OVER FISH, NOT SURE IF FISH WAS CAUGHT. POOH AND L/D 1 JT 2 7/8 TBG, R/D PWRSWVL. TOO H W/ 110 JTS 2 7/8 EUE TBG, BHA, BIG ROCK INSIDE GRAPPLE, TIH W/ SAME BHA, 68 JTS 2 7/8 TBG. SWIFN EOT @ 2475.

6/04/2010- CONT. TIH W/ 44 JTS 2 7/8 TBG, DIDN'T SEE TIGHT SPOT @ 2550. R/U PWRSWVL ON JT # 111. BREAK CONV. CIRC. W/ 9.5 # MUD. RIH TAG FISH TOP @ 3870, TRY TO WORK OVER FISH NO LUCK. POOH L/D 1 JT 2 7/8 TBG. R/D PWRSWVL, TOO H W/ 110 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, X -O, INTENSIFIER, X -O, 4 - 4 3/4 D.C, X -O, JARS, B.S, X -O, 2 JTS 2 7/8 TBG, X -O, OVERSHOT. NO FISH, WAIT FOR FISHING TOOLS. TIH W/ 4 11/16 OVERSHOT, X -O, 10' 2 7/8 PUP JT, X -O, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O, 4 - 4 3/4 D.C, X -O, 10' 2 7/8 PUP JT, 112 JTS 2 7/8 EUE TBG. R/U TBG SWVL ON JT # 113. BREAK CONV. CIRC. W/ 9.5 # MUD, TRY TO WORK OVER FISH @ 3870. NO LUCK. POOH L/D 1 JT 2 7/8 TBG W/ TBG SWVL, TOO H W/ 112 JTS 2 7/8 TBG, BHA. SWIFN.

6/05/2010- TIH W/ 3 13/16 OVER SHOT, X -O 2 7/8 EUE X 2 3/8 REG, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JAR, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 112 JTS 2 7/8 TBG. R/U TBG SWVL ON JT # 113. BREAK CONV. CIRC. W/ 9.5 # MUD, RIH TRY TO LATCH ONTO FISH @ 3870, LATCH ONTO FISH, PUH TO 80,000 #S, SET JARS OFF, CAME OFF FISH. TRY TO LATCH BACK ONTO FISH NO LUCK. POOH L/D 1 JT 2 7/8 TBG W/ TBG SWVL, TOO H W/ 112 JTS 2 7/8 TBG, BHA. GRAPPLE, CONTROL AND CUT LIP GUIDE WAS DAMAGED. WAIT FOR FISHING TOOLS, TIH W/ 3 13/16 OVERSHOT, X -O 2 7/8 EUE X 2 3/8 REG, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 112 JTS 2 7/8 TBG. R/U TBG SWVL ON JT 113. BREAK CONV. CIRC. W/ 9.5# MUD, RIH TAG AND WORK OVER FISH @ 3870, SD PUMP, WORK TBG STRING UP TO 100,000#S SLIPPED OFF FISH. RIH AND WORK BACK OVER FISH 5' HIGHER, WORK TBG UP TO 100,000#S, FISH STARTED MOVING. TOO H W/ 8 JTS 2 7/8 TBG PULLING SLOW @ 100,000#S, CAME FREE, CONT. TOO H W/ 50 JTS 2 7/8 TBG. SWIFN. OVERSHOT @ 2098, EOT @ 2431.

6/06/2010- CONT. TOO H W/ 55 JTS 2 7/8 TBG, BHA, RECOVERED 18' CUT PIECE OF TBG, 8 JTS 2 7/8 TBG, 26' CUT PIECE OF 2 7/8 TBG. TIH W/ 2 7/8 NOTCH COLLAR W/ BAR, 118 JTS 2 7/8 TBG. TAG FILL @ 3870, R/U PWRSWVL ON JT 118. BREAK REV. CIRC. W/ 9.4# MUD, C/O FILL W/ 10 JTS 2 7/8 TBG TO FISH TOP @ 4147 W.L./ 4167 TBG TALLEY, CIRC. CLEAN. R/D PWRSWVL, TOO H W/ 127 JTS 2 7/8 TBG, 2 7/8 NOTCH COLLAR W/ BAR. SWIFN.

6/07/2010- TIH W/ 6" CSG SWEDGE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 119 JTS 2 7/8 EUE TBG. OPENING TIGHT SPOTS IN CSG @ 2550, 2869, 3870. TAG FILL @ 4080. TOO H W/ 119 JTS 2 7/8 EUE TBG, BHA, TIH W/ 4 11/16 OVERSHOT, X -O 2 7/8 EUE X 2 3/8 REG, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 119 JTS 2 7/8 EUE TBG. R/U PWRSWVL ON JT # 120, BREAK CONV. CIRC. W/ 9.5 # MUD, CLEAN OUT FILL TO FISH TOP, LATCH ONTO FISH TOP @ 4167, PUH FISH KEEPS SLIPPING OFF, KEEP TRYING TO LATCH ONTO FISH. POOH L/D 1 JT 2 7/8 TBG, R/D PWRSWVL, POOH L/D 1 JT 2 7/8 TBG, TOO H W/ 60 JTS 2 7/8 TBG. SWIFN. EOT @ 2280.

6/08/2010- TOO H W/ 64 JTS 2 7/8 TBG, BHA. 2 X -O'S AND OVERSHOT PLUGGED W/ CLAY. WAIT FOR FISHING TOOLS. TIH W/ 4 1/2 SHORT CATCH OVERSHOT W/ CUT LIP, X -O 2 7/8 EUE X 2 3/8 REG, PORTED SUB, 2 JTS 2 7/8 EUE TBG, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 119 JTS 2 7/8 TBG. R/U PWRSWVL ON JT # 120. BREAK CONV. CIRC. W/ 9.5 # MUD, RIH TAG @ 4167, C/O TO 4175, TRY TO LATCH ONTO FISH. NO LUCK, R/D PWRSWVL, TOO H W/ 120 JTS 2 7/8 TBG, BHA. CUT LIP TOUR UP. TIH W/ 4 5/8 ROCK BIT, BIT SUB 2 7/8 EUE X 2 7/8 REG, 10' 2 7/8 PUP JT, 72 JTS 2 7/8 TBG, SWIFN. EOT @ 2373.

6/09/2010- CONT. TIH W/ 48 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U PWRSWVL ON JT # 127. BREAK REV. CIRC., RIH TAG @ 4177, TRY TO WORK BIT INTO CSG TO FISH TOP, NO LUCK. POOH L/D 1 JT 2 7/8 TBG, R/D PWRSWVL, TOO H W/ 126 JTS 2 7/8 TBG, BIT SUB, 4 5/8 BIT. RIH W/ MULE SHOE, X -O, DRAIN SUB, 10' PUP JT, 126 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U TBG SWVL ON JT 127. BREAK REV. CIRC., RIH TAG @ 4177, TRY TO WORK INTO CSG TO FISH TOP, NO LUCK. POOH L/D 1 JT 2 7/8 TBG, 10' 2 7/8 PUP JT, TOO H W/ 126 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, DRAIN SUB, X -O, MULE SHOE. RIG MAINTENCE WHILE WAITING FOR FISHING TOOL. TIH W/ 1 JT 2 3/8 TBG NOTCHED AND W/ A BAR, X -O 2 7/8 EUE X 2 3/8 EUE, 74 JTS 2 7/8 TBG. SWIFN. EOT @ 2465.68.

6/10/2010- CONT. TIH W/ 54 JTS 2 7/8 TBG, R/U PWRSWVL ON JT # 127, BREAK REV. CIRC. W/ MUD, RIH TAG TOP OF CSG @ 4177, C/O ROCKS TO TBG TOP @ 4182, CONT. C/O ROCKS TO 4192, CIRC. CLEAN. POOH L/D 1 JT 2 7/8 TBG, R/D PWRSWVL, TOO H W/ 126 JTS 2 7/8 TBG, X -O 2 7/8 EUE X 2 3/8 EUE, 1 JT 2 3/8 TBG CUT INTO NOTCHS W/ A BAR. TIH W/ 4 5/8 CSG SWEDGE, X -O 2 7/8 EUE X 2 3/8 REG, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 ITENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 122 JTS 2 7/8 TBG. TAG CSG TOP 10' OUT @ 4172. WORK

THROUGH CSG TOP @ 4172, TAG TBG FISH TOP @ 4182, MIX AND PUMP 50 BBLS 10 # MUD DOWN TBG, KEEP WORKING THROUGH BAD SPOT IN CSG. TOO H W/ 122 JTS 2 7/8 TBG, BHA, TIH W/ 4 1/8 OVERSHOT, X -O 2 7/8 EUE X 2 7/8 IF, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 121 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U TBG SWVL ON JT 122. RIH TAG @ 4180. BREAK CONV. CIRC. W/ MUD, C/O FILL TO AND LATCH ONTO FISH TOP @ 4186. P/U ON TBG PULL OVER 10,000#S CAME FREE, RIH AND TAG HIGHER. POOH L/D 1 JT 2 7/8 TBG W/ TBG SWVL, 10' 2 7/8 PUP JT, 1 JT 2 7/8 TBG, TOO H W/ 120 JTS 2 7/8 TBG, BHA. RECOVERED 6' CUT PIECE OF 2 7/8 TGB, 8 JTS 2 7/8 TBG, 27' CUT PIECE OF 2 7/8 TBG. SWIFN.

6/11/2010- TIH W/ 4 11/16 OVERSHOT, X -O 2 7/8 EUE X 2 7/8 IF, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 131 JTS 2 7/8 TBG TAG FILL 6' OUT @ 4472, POOH L/D 1 JT 2 7/8 TBG. P/U RIH W/ 10' 2 7/8 PUP JT. R/U PWRSWVL ON JT # 131, BREAK CONV. CIRC. W/ 9.5# MUD, C/O FILL TO FISH TOP @ 4480, TRY TO LATCH ONTO FIAH @ 4480, POOH L/D 1 JT 2 7/8 TBG, 10' 2 7/8 PUP JT, R/D PWRSWVL. TOO H W/ 130 JTS 2 7/8 TBG, BHA - NO FISH. TIH W/ 4 1/2 SHORT CATCH OVERSHOT, X -O 2 7/8 EUE X 2 3/8 REG, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 130 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U TBG SWVL ON JT # 131. BREAK CONV. CIRC. W/ 9.5 # MUD, C/O FILL TO FISH TOP @ 4480, LATCH ONTO FISH, PULL TO 70,000#S CAME FREE, POOH W/ 1 JT 2 7/8 TBG AND 10' 2 7/8 PUP JT - FISH DRAGGING 5,000#S OVER. TOO H W/ 130 JTS 2 7/8 TBG, BHA. RECOVERING 6' CUT PIECE OF 2 7/8 TBG, 11 JTS 2 7/8 TBG, 27' CUT PIECE OF 2 7/8 TBG.

6/12/2010- TIH W/ 2 JT 2 3/8 TBG CUT TO NOTCHES AND W/ BAR, X -O 2 7/8 EUE X 2 3/8 EUE, 149 JTS 2 7/8 TBG. R/U PWRSWVL ON JT # 150. BREAK REV. CIRC. W/ 9.5 # MUD, RIH TAG FISH TOP @ 4873, C/O FILL TO 4893, CIRC. CLEAN, R/D PWRSWVL. TOO H W/ 150 JTS 2 7/8 TBG, X -O 2 7/8 EUE X 2 3/8 EUE, 1 JT 2 3/8 TBG. TIH W/ 4 1/2 OVERSHOT, X -O 2 7/8 EUE X 2 3/8 REG, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 144 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT. R/U TBG SWVL ON JT 145, BREAK CONV. CIRC., RIH LATCH ONTO FISH @ 4873, POOH L/D 1 JT 2 7/8 TBG, 10' PUP JT. TOO H W/ 144 JTS 2 7/8 TBG, BHA, L/D FISH RECOVERED 5' CUT PIECE 2 7/8 TBG, 11 JTS 2 7/8 TBG, 26' CUT PIECE OF 2 7/8 TBG. TIH W/ 1 JT 2 3/8 TBG CUT TO NOTCH W/ BAR, X -O 2 7/8 EUE X 2 3/8 EUE, 20 JTS 2 7/8 TBG. SWIFN. EOT @ 690.

6/14/2010- CONT. TIH W/ 139 JTS 2 7/8 TBG. R/U PWRSWVL ON JT # 160. BREAK REV. CIRC. W/ 9.5 # MUD, RIH TAG TBG FISH TOP @ 5269, C/O FILL TO 5281, CIRC. CLEAN. R/D PWRSWVL, POOH L/D 2 JTS 2 7/8 TBG, TOO H W/ 158 JTS 2 7/8 TBG, X -O, 1 JT 2 3/8 TBG CUT TO NOTCHS. TIH W/ 4 1/8 OVERSHOT, X -O 2 7/8 EUE X 2 7/8 IF, 10' 2 7/8 PUP JT, X -O 3 1/2 FH S 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 154 JTS 2 7/8 TBG, 10' 2 7/8 PUP

JT, R/U TBG SWVL ON JT 155. BREAK CONV. CIRC., RIH LATCH ONTO FISH @ 5269, JAR ON FISH 5 TIMES FISH CAME FREE, POOH W/ 1 JT 2 7/8 TBG, 10' 2 7/8 PUP JT, TOO H W/ 154 JTS 2 7/8 TBG, BHA, RECOVERING 6.47' CUT PIECE OF 2 7/8 TBG, 12 JTS 2 7/8 TBG, 1.42' CUT PIECE OF 2 7/8 TBG. TIH W/ 2 7/8 N.C W/ BAR, 80 JTS 2 7/8 TBG. SWIFN. EOT @ 2629.

6/15/2010- CONT. TIH W/ 89 JTS 2 7/8 TBG, TAG FILL 15' OUT @ 5530, POOH L/D 1 JT 2 7/8 TBG. RIG UP PWR SWVL. BREAK REV. CIRC., C/O FILL WITH 5 JTS 2 7/8 TO TBG FISH TOP @ 5663 TBG TALLEY (5633 WIRELINE MEASUREMENT). CIRC CLEAN. POOH L/D 1 JT 2 7/8 TBG, R/D PWR SWVL. TOO H WITH 172 JTS 2 7/8 TBG, 2 7/8 N.C WITH BAR. TIH W/ 4 1/8 OVERSHOT, X -O 2 7/8 EUE X 2 7/8 IF, 10' 2 7/8 PUP JT, X -O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 166 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U TBG SWVL ON JT 167. BREAK CONV. CIRC., RIH LATCH ONTO FISH @ 5663, S/D PUMP, POOH L/D 1 JT 2 7/8 TBG, FISH DRAGGING. POOH L/D 10' 2 7/8 PUP JT, TOO H W/ 166 JTS 2 7/8 TBG, BHA, RECOVERED 30' CUT PIECE OF 2 7/8 TBG, 5" MODEL R PKR. SWIFN.

6/16/2010- TIH W/ 6" CSG SWEDGE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X-O 3 1/2 IF X 3 1/2 FH, 4- 4 3/4 D.C., X-O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X-O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 164 JTS 2 7/8 TBG, YAG FILL @ 5530. RIG UP PWR SWIVEL. BREAK REV. CIRC., C/O FILL WITH 4 JT S 2 7/8 TBG TO 5" L.T @ 5661, CIRC CLEAN. POOH REV. CIRC., C/O FILL WITH 4 JT S 2 7/8 TBG, R/D PWR SWIVEL. POOH L/D 1 JT 2 7/8 TBG, TOO H WITH 166 JTS 2 7/8 TBG, BHA TIH WITH 5" CSG SCRAPER, BIT SUB 2 7/8 EUE X 2 7/8 REG, 102 JTS 2 7/8 TBG, SWIFN EOT @ 3360.

6/17/2010- TIH WITH 100 JTS 1.90 TBG INSIDE 2 7/8 TBG, POOH L/D 100 JTS 1.90 ONTO TRAILER, CONT. TIH WITH 83 JOINTS 2 7/8 TBG, EOT @ 6020'. RIG UP TBG SWVL, REV. CIRC. CLEAN. POOH L/D 2 JTS 2 7/8 TBG, TOO H WITH 183 JTS 2 7/8 TBG, BIT SUB, 5" CSG SCRAPER. RIG UP WIRELINE TRUCK, RIH AND SET 5" CIBP @ 5900', POOH, R/D WIRELINE TRUCK (5" L.T @ 5673). TIH W/ 5" L.T DRESS OFF TOOL, X-O 3 1/2 FH X 2 7/8 EUE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X-O 3 1/2 IF X 3 1/2 FH, 4- 4 3/4 D.C, X-O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X-O 2 7/8 EUE X 10' 2 7/8 PUP JT. 70 JTS 2 7/8 TBG. SWIFN, EOT @ 2480'.

6/18/2010- CONT. TIH WITH 97 JOINTS 2 7/8 TBG. RIG UP PWR SWVL ON JT # 168. BREAK REV. CIRC, RIH DRESS OFF 1" OF 5" LINER TOP @ 5661.

6/21/2010- NIPPLE DOWN B.O.P.S. N/D B.O.P.S, NIPPLE UP B.O.P.S. N/U B.O.P.S, PREP WELL HELP UNLOAD 150 JTS 5" 40' 18# CSG ONTO PIPE RACKS, RIH TUBING, TIH W/ 6" CSG SWEDGE, 4 3/4 BUMPER SUB, 4 3/4 JARS, X -O 3 1/2 IF X 3 1/2 FH, 4 - 4 3/4 D.C, X -O 3 1/2 FH X 3 1/2 IF, 4 3/4 INTENSIFIER, X -O 2 7/8 EUE X 3 1/2 FH, 10' 2 7/8 PUP JT, 166 JTS 2 7/8 TBG, 10' 2 7/8 PUP JT, R/U TBG SWVL ON JT # 167. BREAK REV. CIRC., RIH TAG 5" L.T @ 5661. CIRC. HOLE WHILE WORKING TBG (RETURNING MUD WEIGHT 10.1) R/D TBG SWVL, POOH L/D 1 JT 2 7/8 TBG, 10' 2 7/8 PUP JT. TOO H W/ 98 JTS 2 7/8 TBG. SWIFN. EOT @ 2489.

6/21/2010- CHANGE OUT DRILL LINE ON RIG 919.

6/22/2010- TIH WITH 4 JOINTS 2 7/8" TBG TO 2620 DIDN'T SEE CSG CUT @ 2550. TOO H WITH 74 JOINTS 2 7/8" TBG, POOH L/D 10' 2 7/8". PUP JT, X-O, 4 3/4 D.C, X-O, 4 3/4 JARS, 4 3/4 B-SUB, 6" CSG SCRAPER. RIG UP CSG CREW. SAFETY MEETING WITH CSG CREW. P/U RIH WITH 5" LINEAR SEAL ASS. 26' 5" CSG, 5" FLOAT, 142 JTS 5" 40' 18" CSG. LAND IN 5" L.T @ 5661. RIG UP PRO PETRO CMT TRUCKS. PUH 15' OUT OF 5" LT, PUMP 20 BFW, 320 SX OF CMT, DROP WIPER PLUG, DISPLACE WITH 100 BBLS 10# MUD. (10% BBLS CMT CAME OUT OF CSG VALVE) RIH LAND 5" CSG BACK INTO 5" L.T @ 5661, NIPPLE DOWN B.O.P.S, LAND CSG IN SLIPS WITH 20,000 COMP., NIPPLE UP B.O.P.S, SDFN. CREW TRAVEL.

6/23/2010- N/D B.O.P CUT OFF EXCESS 5" CSG, L/D CUT PIECE 5" CSG. CLEAN UP CSG TOP. NIPPLE UP, NEW WELLHEAD, NIPPLE UP B.O.P.S. RIG UP WORK FLOOR, SDFN.

6/28/2010- MU 4 1/8" HUGHS BIT AND BIT SUB AND RIH TO 5069', RU GRACO POWER SWIVEL AND DRILL OUT CEMENT TO 5657' CIRC WELL CLEAN PULL HIGH KELLY AND SD

6/29/2010- RU POWER SWIVEL AND PUMP CIRC WELL W/ 10# MUD CONT TO CIRC WELL W/ 10# MUD AND DRILL OUT FLOAT COLLAR CIRC WELL CLEAN RIH Tubing CONT TO SWIVEL DOWN JTS DRG. OUT ALL STRINGERS TO CIBP @ 5900'+ - CIRC CLEAN TEST NEW CSG TO 1500 PSI' HELD GOOD NO LEAKS, RACK OUT SWIVEL AND POOH W/ 181 JTS 2 7/8", N -80, 6.5#, 8RD TBG. BREAK OFF USED HUGHES 4 1/8" BIT, MU NEW N.O.T. VAREL 4 1/8" BIT AND START IN HOLE RIH TO 5900'+ - RU PUMP AND TEST NEW 5" LINER TO 3000PSI AND WATCH FOR 10 MIN W/O LOSS, RU POWER SWIVEL AND START DRG. ON CIBP @ 5900+ DRILL OUT CIBP AND PU 1 MORE JT OF TBG EOT @ 6014'+ - CIRC WELL W/ 100BBLS PRO. H2O SD HANG POWER SWIVEL SWIFN

6/30/2010- REV CIRC. W/ 80 BPW CIRC. OUT MUD P/U RIH W/ 50 JTS 2 7/8 EUE TBG, TAG 1' IN @ 7506, L/D 1 JT 2 7/8 TBG. EOT @ 7503, REV. CIRC. CLEAN REMOVING DRILLING MUD, POOH L/D 231 JTS 2 7/8 TBG, BIT SUB, 4 1/8 BIT, R/D FLOOR, N/D WASHINGTON HEAD, R/U COIL TBG UNIT, R/U FLOWBACK LINES. **JUSTIFICATION FOR INJECTION DOWN THE 5 INCH CASING WAS SUBMITTED TO THE STATE OF UTAH.**

7/1/2010- SAFETY MEETING W/ COIL TBG, DRILL OUT REMAINING BOTTOM HALF OF CIBP AND 288' OF CEMENT BALANCED PLUG. TAKE PSI KICK @ 1550 PSI

7/2/2010- RU P.S.I. WIRELINE AND SHOOT 2 INTERVALS OF PERFS. MU COMP. FRAC PLUG AND RIH AND SET ABOVE ALL PERFS, RD PSI WIRELINE ND BOPS AND NU FRAC VALVE CLEAN CELLAR AND TRANSFER H2O TO FRAC TANKS, RU SCHLUMBERGER WIRELINE AND RUN CEMENT BOND LOG FROM 8200' TO SURFACE RD SCHLUMBERGER, RU P.S.I. WIRELINE AND MU 3 1/8" POWER PACKS AND PERF 3 NEW ZONES, RD P.S.I. WIRELINE MU INJECTION TREE AND SD FOR WEEKEND

7/2- 7/15/2010- THE WELL BEGAN INJECTION DOWN THE CASING. DURING THIS TIME THE INJECTION PRESSURE HAD DROPPED FROM 2,900 PSI TO 2,300 PSI. THE INJECTION PERFS WERE

ACIDIZED AND THE INJECTION RATE WAS INCREASED TO THE MAXIMUM THAT THE WELL EQUIPMENT COULD INJECT. PRESSURES DID NOT INCREASE.

A PLUG WAS SET IN THE WELL 100' ABOVE THE INJECTION ZONE, AND THE WELL WAS PRESSURE TESTED @ 3,000 PSI FOR 30 MINUTES UNDER THE SUPERVISION OF THE STATE OF UTAH, DENNIS INGRAM, WITNESS. VERBAL APPROVAL WAS GIVEN FOR INJECTION DOWN THE 5" CASING UNDER THE GUIDELINES SUBMITTED WITH THE SUNDRY OF JUNE 30, 2010.

9/2/2010- THE WELL IS CURRENTLY INJECTING AT 2,300 PSI AND A RATE OF 5 BBLS/MINUTE.

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JUL 19 2014

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43-013-30224
32 1S 1W

Water Disposal Inc.
2285 Lucky John Drive
Park City, Utah 84060

JULY 9, 2014

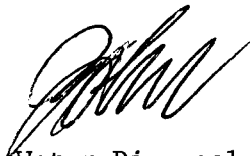
Phone 435-229-3763

Utah Division of Oil, Gas and Mining
Attn: Dan Jarvis
1594 West north Temple, Suite 1210
BOX 145801
Salt Lake City, Utah 84114-5801

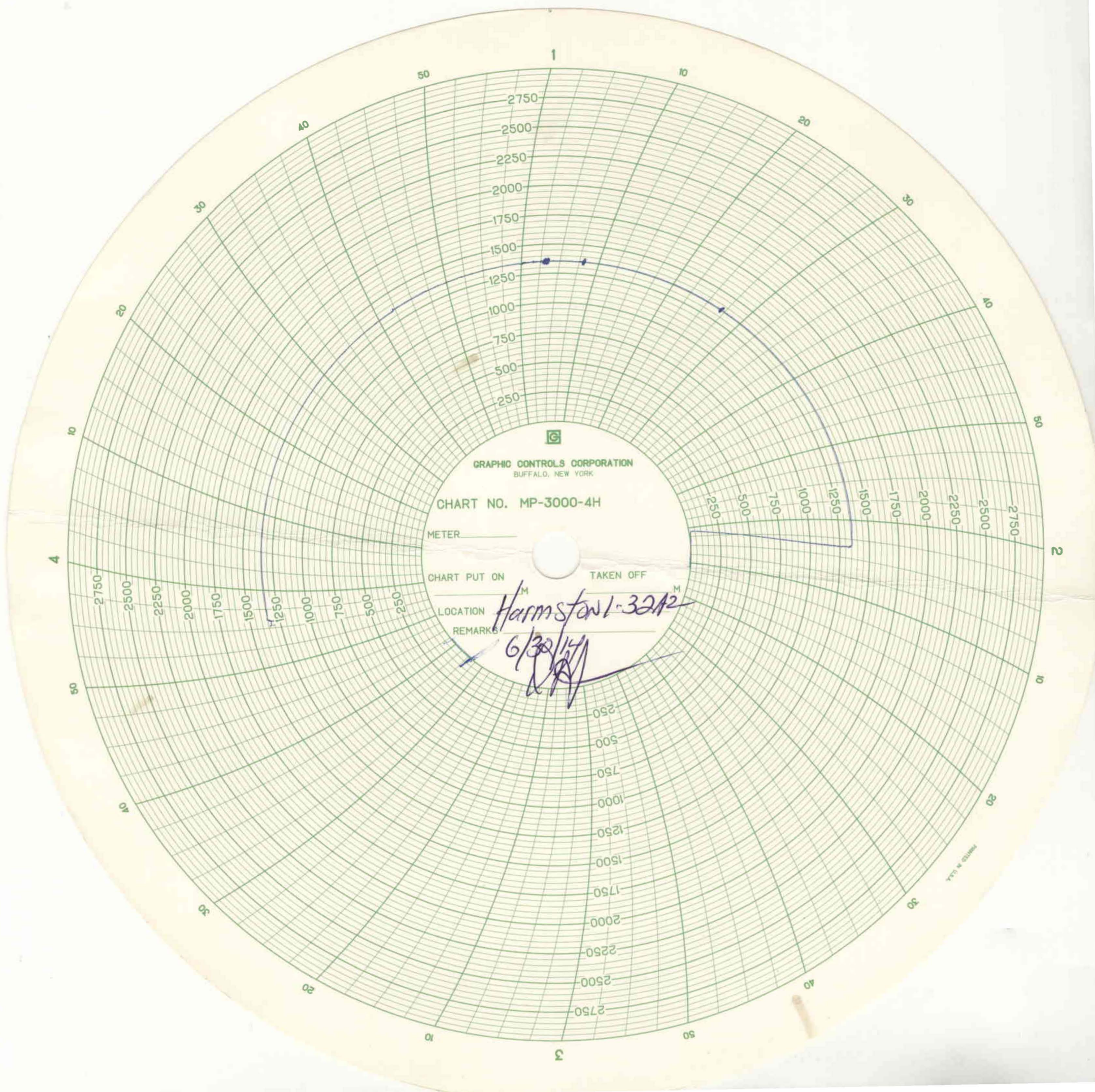
Dan Jarvis

Enclosed is your copy of the Mechanical Integrity Test for
the "Harmston 1-32A2 Injection well conducted on June 30, 2014,

Sincerely,



Water Disposal, Inc., By John D. Chasel, President



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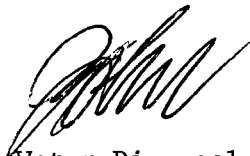
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